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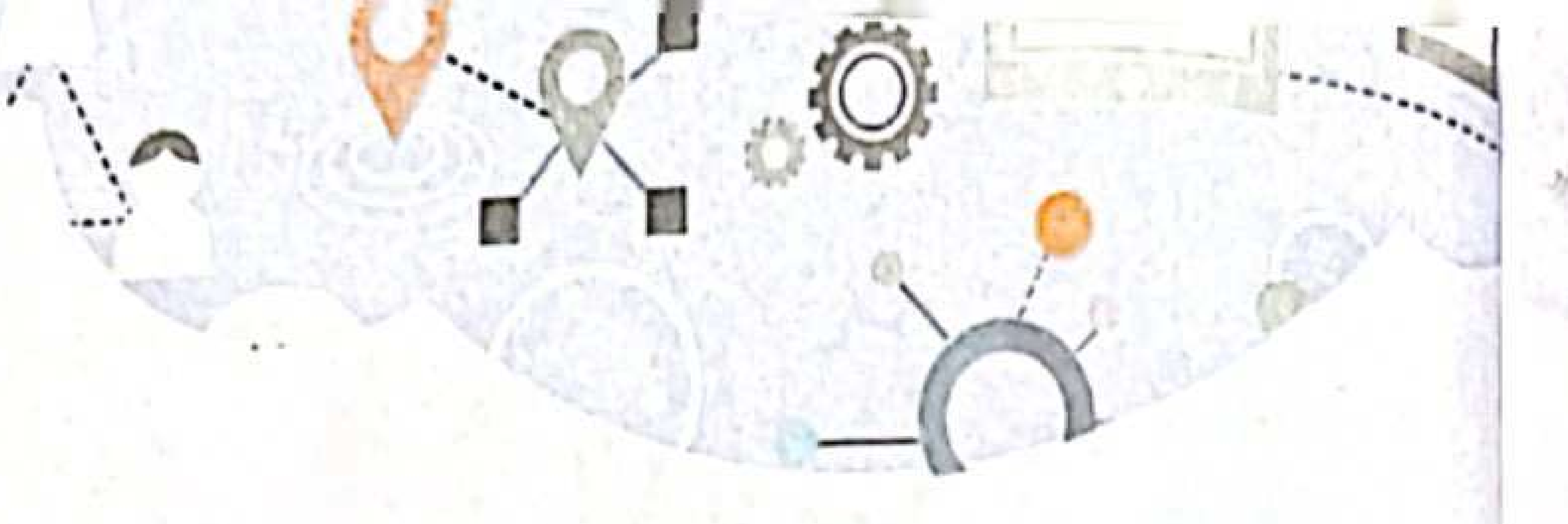
Primary
Second Term

مادة أساسية
مضافة للمجموع

Mr. Ahmed Omara

ICT

Information and Communication Technology



Introduction

We are proud to present to you this new educational series "Pony" in ICT.

I introduce this book to our teachers and colleagues.

Also, I introduce this book to our pupils and their parents.

This book will help our pupils understand all types of questions.

We would like to know your opinions about the book, hoping it will win your admiration.

We would be grateful if you send us your comments and recommendations.

My best wishes to the pupils for success.

My respect and appreciation for the venerable teachers of Egypt.

Author,
Mr. Ahmed Omara





Contents



Theme 3

Digital Citizenship



1 Explorer in Action



2 Digital Citizenship



3 Positive Impacts of ICT



4 Internet Communication



5 How to Use E-communication



6 Online Learning Environments and Sources



7 Planning Digital Searches



8 Synchronous and Asynchronous Communication



Theme 3 Scope and Sequence

Digital Citizenship

Essential Question: How can ICT tools benefit our lives?

Lesson	Topics	Skills Integration: Life Skills	Skills Integration: Values	Skills Integration: Issues and Challenges
LESSON 1 Explorer in Action	• The use of digital technology in daily life. • Virtual communities. • Digital citizenship.	**Learning to know:** Critical thinking: formulate questions	**Academic values:** Appreciation of technology	**Globalization issues:** Digital citizenship
LESSON 2 Digital Citizenship	• Digital citizenship. • The safe and ethical use of ICT tools.	**Learning to be:** Sharing **Learning to live together:** Communication	**Co-existence values:** Tolerance and acceptance of others	**Globalization issues:** Digital citizenship **Citizenship issues:** Awareness of rights and responsibilities
LESSON 3 Positive Impacts of ICT	• The benefits of ICT • Education 2.0 and the Egyptian Knowledge Bank. • Ways to support ICT in the learning process.	**Learning to be:** Sharing **Learning to live together:** Communication	**Work values:** Proficiency; cooperation	**Globalization issues:** Technological awareness **Discrimination issues:** Equal access for people of determination
LESSON 4 Internet Communication	• Online communication • Difference between synchronous and asynchronous communication.	**Learning to know:** critical thinking **Learning to live together:** Communication	**Academic values:** Appreciation of technology	**Globalization issues:** Civilizational communication
LESSON 5 How to Use E-communication	• E-communication etiquette • Video chats, email, and other forms of online communication. • ICT proficiency.	**Learning to be:** Empathy **Learning to do:** Cooperation	**Co-existence values:** Respect	**Globalization issues:** Civilizational communication
LESSON 6 Online Learning Environments and Sources	• Virtual labs, interactive maps, and other online environments • The use of online sources in academic research.	**Learning to do:** Negotiating **Learning to know:** Problem solving	**Work values:** Perseverance	**Globalization issues:** Digital citizenship
LESSON 7 Planning Digital Searches	• How to plan and conduct research online. • How to present information using online sources. • How to tell the difference between reliable and unreliable sources.	**Learning to do:** Productivity **Learning to know:** Creativity	**Personal values:** Independence **Academic values:** Objectivity, curiosity, and honesty	**Citizenship values:** Participation in scholarly research
LESSON 8 Synchronous and Asynchronous Communication	• Communication that involves ICT tools. • How to use synchronous and asynchronous communication with teachers and classmates. • How to report findings using digital tools.	**Learning to do:** Decision making **Learning to know:** Critical thinking	**Work values:** Transparency and integrity **Personal values:** Independence	**Citizenship values:** Participation in scholarly research



Explorer in Action

William Tyner

» A cultural anthropologist, technologist and filmmaker.

« وليام تاينر..
عالِم في مجال علوم الإنسان الثقافية وخبير تكنولوجي وصانع أفلام.



» He uses digital technology in his work to find real solutions for problems.

« يستخدم التكنولوجيا الرقمية في عمله لإيجاد حلول حقيقية للمشكلات.

William believes that:

1. Using technology in a positive way helps people become successful digital citizens.
2. Digital communication is important to:
   a. Exchange opinions.
   b. Build good relationships.

1. يعتقد وليام أن: استخدام التكنولوجيا بإيجابية يساعد الناس على أن يصبحوا مواطنين رقميين ناجحين.
2. التواصل الرقمي مهم لـ: « تبادل الآراء. « بناء علاقات جيدة.





» William works with different organizations to put individuals in contact with services that help them by building:

1. Easy-to-use digital tools.
2. Apps that provide people with information.

« يعمل وليام مع منظمات مختلفة؛ لجعل الأفراد على اتصال بالخدمات التي تساعدهم، من خلال بناء:

1. أدوات رقمية سهلة الاستخدام.
2. تطبيقات تزود الأشخاص بالمعلومات.





The Importance of Digital Tools for Egyptian Citizens

1. Traveling became easier because we can book tickets for trains, buses and planes online.
2. Ease of booking tickets with a button click to visit historical and cultural sites.
3. Providing information for everyone through the Egyptian Knowledge Bank.



« أصبح السفر سهلاً؛ بسبب إمكانية حجز تذاكر القطارات والأتوبيسات والطائرات عن طريق الإنترنت.

« سهولة حجز التذاكر بضغطة زر؛ لزيارة المواقع التاريخية والثقافية.

« وفرة المعلومات للجميع من خلال بنك المعرفة المصري.



Egyptian Knowledge Bank
بنك المعرفة المصري



1 Choose the correct answer:

1. William Tyner is a cultural ....
   a. archaeologist b. anthropologist c. biologist
2. William Tyner uses .... to solve problems in his work.
   a. traveling b. money c. technology
3. .... helps people to build good relationships and exchange opinions.
   a. Digital communication b. Digital footprint
   c. Digital citizenship
4. Using technology positively helps people to become .... citizens.
   a. genius b. successful digital c. successful
5. Traveling becomes easier by booking tickets for .... online.
   a. trains b. airplanes c. all the previous
6. .... is a digital library that allows Egyptians to access learning materials.
   a. EKB b. Facebook c. Social media

2 Put (✓) or (✗):

1. William Tyner is specialized in cultural human field. ( )
2. William Tyner works to find solutions to problems that benefit communities. ( )
3. ICT tools facilitate the communication among people all over the world. ( )
4. In Egypt, it is difficult to book tickets for trains or airplanes online. ( )

5. EKB is considered one of the most important Egyptian digital libraries. ( )
6. Organizations and governments can use ICT tools. ( )

3 Complete the following sentences using the words between the brackets:

(Digital books – digital citizens – EKB – digital technology – interactive whiteboard – computers)

1. William Tyner uses .... to find real solutions for problems.
2. William Tyner believes that using technology in a positive way helps people to become successful ....
3. ...., ... and .... are examples of ICT tools.
4. .... provides valuable information for Egyptian citizens online.

4 Label each image from the following with the correct name:

No.	Label	Name
1	....	a. Egyptian Knowledge Bank
2	....	b. Ministry of Tourism and Antiquities
3	....	c. Ministry of Education
4	....	d. Ministry of Health and Population
5	....	e. Egyptian National Railways



Digital Citizenship

Digital Citizenship
المواطنة الرقمية

» It is the ability to use digital technology ethically, responsibly and safely to:

a. Get the benefit of digital technology.
b. Protect your digital footprint.

« هي استخدام التكنولوجيا الرقمية بشكل أخلاقي وآمن ومسئول؛ بهدف:
- الاستفادة من التكنولوجيا الرقمية.
- حماية بصمتك الرقمية.

Digital Footprint
البصمة الرقمية

» A record of what you do online, including:

a. The websites you visit.
b. Things you post.

« هي تسجيل لكل ما تقوم به على الإنترنت، وتتضمن:
- المواقع الإلكترونية التي تتصفحها.
- كل ما تشاركه مع الآخرين.

How to deal with the internet
كيف تتعامل مع الإنترنت؟

1. Respect others and be responsible.

« التعامل باحترام ومسئولية مع الآخرين.

2. Use the internet safely by: استخدام الإنترنت بطريقة آمنة من خلال:

a. Setting strong passwords. وضع كلمات مرور قوية.
b. Using updated software. استخدام برامج مُحدثة.
c. Choosing the websites you visit wisely. اختيار المواقع الإلكترونية التي تزورها بحكمة.
d. Monitoring the time you spend online. مراقبة الوقت الذي تقضيه عبر الإنترنت.





Rights الحقوق

1

» No one can copy or share your digital footprint without your consent.

« لا أحد يستطيع مشاركتك بصمتك الرقمية دون موافقتك.

EX If you upload a video that you have created, you have the right to protect it against piracy.

إذا رفعت مقطع فيديو من تصميمك، فلك الحق في حمايته من القرصنة.

Piracy القرصنة

The illegal use of content for the purpose of sharing or selling it.

تداوُل محتوى بشكل غير قانوني بهدف مشاركته أو بيعه.

2

» You have the right to interact with others online.

« لك الحق في التفاعل مع الآخرين عبر الإنترنت.

3

» You have the right to receive and share information online.

« لك الحق في الحصول على المعلومات ومشاركتها على الإنترنت.



4

» You have the right to use the internet any time.

« لك الحق في استخدام الإنترنت في أي وقت تريده.

Responsibilities المسئوليات

 Never commit piracy for protected content.

لا تقم بقرصنة محتوى محميٍّ أبدًا.

 Respect others online. احترام الآخرين على الإنترنت.

 Evaluate what you are watching. قيِّم ما تشاهده.

» If the source is safe for use or it resulted from piracy.

« هل المصدر آمِن للاستخدام أم هو نتيجة قرصنة؟

 Evaluate your use of the internet. قيِّم استخدامك للإنترنت.

» Is it useful or a waste of time? هل ما تشاهده مثمر أم مهدر للوقت؟

» Does it bring you joy or stress? هل يجلب لك الفرح أم التوتر؟







1 Choose the correct answer:

1. .... is the ability to use digital technology ethically, responsibly, and safely.
   a. Digital technology b. Digital footprint c. Digital citizenship
2. .... is a record of everything you do online.
   a. Digital technology b. Digital footprint c. Digital piracy
3. All the following help you to stay safe online, except ....
   a. setting strong passwords
   b. using updated software c. committing piracy
4. If someone tracks your responses on different social networking sites, it's called ....
   a. digital footprint b. digital piracy c. assumptions
5. Which of the following situations demonstrates commitment to responsibilities while using the internet?
   a. Pirating a video your friend uploaded on video sharing platforms.
   b. Evaluating the content and ensuring that the information is safe for display.
   c. Spying on others and copying their digital footprint.
6. No one can copy your digital footprint, this is one of your ....
   a. rights b. privacy c. responsibilities
7. One of your responsibilities while using the internet is to .... information.
   a. share b. evaluate c. receive

8. Hackers may use your digital content to .... it.
   a. evaluate   b. share   c. buy

9. Evaluating whether your use of the internet is useful or not is from your ....
   a. rights   b. privacy   c. responsibilities

10. You use ICT tools to .... and communicate as a digital citizen.
   a. learn   b. share   c. all the previous

2 Put (✓) or (✗):

1. Every trace that a person leaves when using the internet is known as digital citizenship. (   )
2. Achieving digital citizenship entails a set of rights and duties. (   )
3. It is important to have good manners and etiquette when dealing with others online. (   )
4. You have the right to use the internet when you need, with no responsibility. (   )
5. Everyone has the right to protect his content against piracy. (   )
6. You must commit piracy to share or sell digital content to others. (   )
7. Digital citizens can use ICT tools to learn, share, and communicate with others. (   )
8. Digital piracy can help you protect your content from hacking. (   )
9. Using the internet any time you want is one of your responsibilities. (   )
10. Evaluating sources online is one of your responsibilities. (   )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. The ability to use technology tools ethically.	a. Piracy
2. Sharing an illegal content.	b. Digital footprint
3. Every action you do on the internet.	c. Digital citizenship

1 .... 2 .... 3 ....

4 Complete the following sentences using the words between the brackets:

(Digital citizenship – Digital footprint – Digital Piracy – Digital communication – responsibilities – rights)

1. .... is a record for websites you visit online.
2. Using the internet anytime you want is one of your ....
3. .... means sharing or selling illegal content.
4. Respecting other online is one of your ....
5. .... is the ability to use technology tools.
6. .... is important to build good relationships.



Positive Impacts of ICT

Digital Citizen الشخص الرقمي

A person who uses ICT tools to learn, share and communicate.

الشخص الذي يَستخدم أدوات تكنولوجيا المعلومات والاتصالات للتعلُّم والمشاركة والتواصل.

» **In 2018, the Egyptian government provided digital tools and resources, such as digital books, activities, videos, and TV channels to:**

1. Achieve a skill-based education.



« تحقيق نظام تعليمي قائم على المهارات.

2. Ensure that all students can access to learning materials equally.



« ضمان وصول جميع التلاميذ للمواد التعليمية.

Egyptian Knowledge Bank



EKB is a digital library that provides Egyptian citizens with:

1. Access to learning materials.
2. Holding webinars for teachers and students.



Egyptian Knowledge Bank
بنك المعرفة المصري

Webinars:

Provide tips on how to register on the website and use it.

الندوات: تُوفِّر إرشادات ونصائح حول كيفية التسجيل في الموقع واستخدامه.

The Importance of Digital Devices

1. They can help non-verbal people to:
   a. Communicate with others.
   b. Learn languages at school using pictures.

« يمكن أن تساعد الأشخاص الذين يعانون من صعوبة النطق على:
- التواصل مع الآخرين. - تعلُّم اللغة في المدرسة باستخدام الصور.





2. They can help students that can't leave their homes due to health or other issue to:
   a. Communicate with teachers.
   b. Get the learning materials they need.

« تساعد التلاميذ الذين لا يمكنهم مغادرة منازلهم؛ بسبب مشكلات صحية أو غيرها:
- الاتصال بالمعلمين. - الحصول على المواد التعليمية.

» **When we cannot leave our houses due to unexpected events, digital devices become useful.**

« عندما لا نستطيع مغادرة المنزل لعوامل غير متوقعة تكون الأجهزة الرقمية مهمة.



Digital Tools

1 Video-sharing platforms مقاطع الفيديو



» Importance:

learning or teaching new things.

« الأهمية: تعلُّم أو تعليم أشياء جديدة.



1 You want to learn how to prepare a healthy meal.

2 You want to teach a skill you have to others.

- أنت تريد تعلُّم كيفية إعداد وجبة صحية. - أنت تريد تعليم مهارة لديك للآخرين.

» Remember to ask your teacher or a member of your family before you post anything online.



2 Socializing وسائل التواصل الاجتماعي



1 Communicating with your classmates on a project outside school.

2 Chatting with your friends via videos.

3 Joining online groups with common interests.

« التواصل مع زملائك في الفصل على مشروع خارج المدرسة.

« الدردشة مع أصدقائك عبر مقاطع الفيديو.

« الانضمام لمجموعات عبر الإنترنت تتشارك معها نفس الاهتمامات.

Common Communication Apps

WhatsApp



Facebook



Skype







Exercises

1 Choose the correct answer:

1. .... help(s) non-verbal people to communicate with others or learn languages.
   a. Digital footprint b. Digital piracy c. Digital tools
2. A person who uses ICT tools to learn, share, and communicate with others, is called ....
   a. programmer b. digital citizen c. hacker
3. .... contains a digital library that helps students access to learning materials.
   a. EKB b. YouTube c. Facebook
4. The webinars provide tips on how to .... on the website and use it.
   a. website b. webpage c. register
5. You can use .... platforms to learn or teach new things.
   a. Skype b. video-sharing c. WhatsApp
6. .... is one of the popular means of communication on social media platforms.
   a. EKB b. YouTube c. Facebook
7. When you search for a video on YouTube to know how to prepare a healthy meal, this is an example of ....
   a. teaching b. learning c. communication
8. You can use .... in chatting with your friends anytime you want.
   a. EKB b. Google c. WhatsApp

2 Put (✓) or (✗):

1. Information and communication technology has no positive effects. (   )
2. Information technology tools enable people of determination to communicate with teachers and view school subjects. (   )
3. Webinars provide guidance and tips on how to register on the website and use it. (   )
4. In Egypt, there are no ways in which digital tools can help its citizens. (   )
5. When we can't leave our houses due to unexpected factors, our digital footprint becomes very important. (   )
6. You can communicate with your classmates outside of school online for a project. (   )
7. Socializing can help us to join online groups with similar interests. (   )
8. You can communicate with your friends using WhatsApp, Facebook, or YouTube. (   )
9. You can learn how to cook a healthy meal by watching a video on YouTube and following the steps. (   )
10. Watching videos on "Madrasnta" channel on YouTube is an example of online learning. (   )

3 Choose from column (A) what suits it in column (B):

A

Column (A)	Column (B)
1 Facebook	a. contains a digital library that helps students.
2 YouTube	b. is one of the most important applications of socializing.
3 EKB	c. is a platform that helps us to learn or teach new things.

B

Column (A)	Column (B)
1 Learning	a. is a fun way to communicate with your friends anytime.
2 Teaching	b. is watching vides o for a lesson you have missed in school.
3 Chatting	c. is uploading videos for you to show some of your skills in football.

1 .... 2 .... 3 ....

4 Complete the following sentences using the words between the brackets:

(ICT tools - Egyptian government – Digital citizen - EKB – socializing)

1. .... provided digital resources to achieve an educational system based on skills.
2. .... is a person who uses ICT tools to learn and share.
3. .... help non-verbal students to learn languages at school using pictures.
4. .... contains a digital library that helps students access to all learning materials.
5. WhatsApp, Skype, and Facebook are examples of ....




Lesson 4 Internet Communication

Synchronous Communication التواصل المتزامن

- It is the exchange of information and files between two or more people at the same time through:
  1. Video chats.
  2. TV shows.
  3. Instant chat rooms.

- هو تبادل المعلومات والملفات بين شخصين أو أكثر في نفس التوقيت من خلال:
  1. محادثات الفيديو.
  2. البرامج التلفزيونية.
  3. غُرَف الدردشة الفورية.



Asynchronous Communication التواصل غير المتزامن

- Communications that do not require an instant response, such as:
  1. Recorded educational programs.
  2. Recorded explanation videos.
  3. Sending a file via email.

- الاتصال الذي لا يتطلب استجابة فورية مثل:
  1. البرامج التعليمية المسجلة.
  2. فيديوهات شرح مسجلة.
  3. إرسال ملف على البريد الإلكتروني.





Synchronous Communication التواصل المتزامن

1 Video Chats محادثات الفيديو



» They allow you to **communicate live** with **one or more people** via mobile or computer.

» **Tools needed:**

[1] Camera [2] Speaker

[3] Video chat software

« تتيح لك التواصل المباشر مع شخص أو أكثر من خلال جهاز الكمبيوتر أو جهازك المحمول.

« وتحتاج إلى: (كاميرا ومكبر صوت وتطبيق خاص بمحادثات الفيديو).



2 Instant Messaging (IM): المراسلة الفورية

» This allows you to send messages using the internet.

» Messages could include **texts**, **pictures**, or **videos**.

» **Tools needed:**

IM software (on computer or a mobile application).

« هي إرسال رسائل لشخص أو أكثر؛ قد تكون نصًا فقط، أو يضاف لها صور أو صوت أو فيديو.

« وتحتاج إلى برامج خاصة بالمراسلة الفورية على الكمبيوتر أو التليفون المحمول.

3 Chat Rooms غُرَف الدردشة



- They are groups usually focus on just one subject, such as:
  Science group – Math group – Games group
- **Tools needed:**
  1. A web broser for internet access, or a mobile application, such as (Internet Explorer – Google Chrome)
  2. A chat room application.

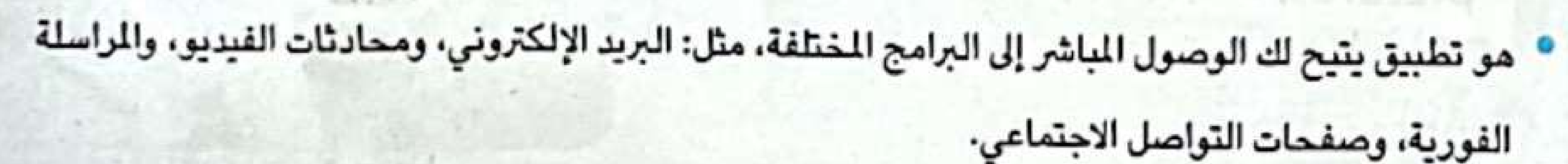
هي عبارة عن (غرفة) تهتم بموضوع ما، مثل: (غرفة للعلوم – غرفة للرياضيات – غرفة للألعاب).

وتحتاج إلى متصفح للإنترنت وتطبيقات غُرَف الدردشة.

Important Note:



- A cell phone application allows you to access different programes, such as:
  1. Email
  2. Video chats
  3. Instant messaging
  4. Social network pages.



- هو تطبيق يتيح لك الوصول المباشر إلى البرامج المختلفة، مثل: البريد الإلكتروني، ومحادثات الفيديو، والمراسلة الفورية، وصفحات التواصل الاجتماعي.

Asynchronous Communication التواصل غير المتزامن

1 Email البريد الإلكتروني



- It allows you to send and receive messages.
- Email is more formal than instant messaging (IM).
- You could use email to reach government agency or company.
- **Tools needed:**
  1. Internet browser (on computer)
  2. Email application (on mobile)
     (Yahoo - Gmail - Hotmail)

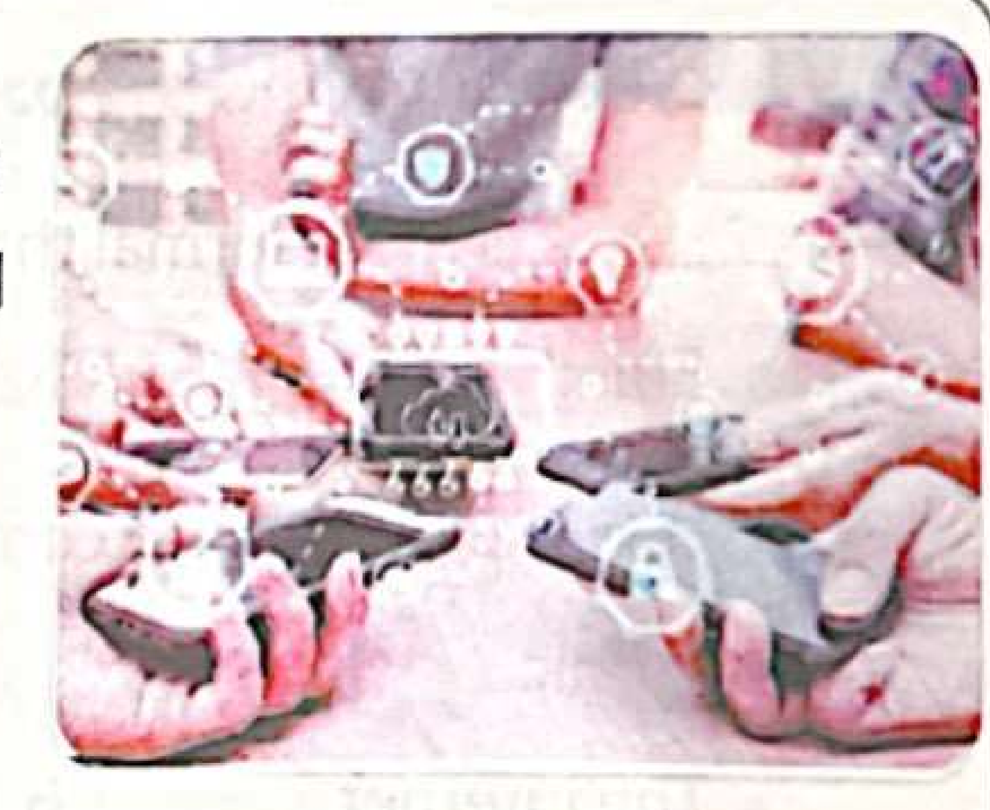
يُستخدم لإرسال واستقبال الرسائل الإلكترونية.

يُعد أكثر رسمية من الرسائل الفورية والنصية.

يمكنك استخدام البريد الإلكتروني للتواصل مع هيئة حكومية أو شركة معينة.

وتحتاج إلى متصفح الإنترنت أو تطبيق البريد الإلكتروني.

2 Uploading



- You can share your files on different websites, then others can download them when they are online.
- **Tools used:**
  Just a device connected to the internet.



1 Choose the correct answer:

1. You can make video calls with your friends through your ....
   a. scanner b. mobile phone c. printer
2. .... is a form of simultaneous communication via the internet, which allows watching friends or your family in audio and video.
   a. Instant messaging b. Email c. Video chat
3. Asynchronous communication does not need ....
   a. an instant response b. a web browser c. the internet
4. .... are an example of asynchronous communication.
   a. Chat rooms b. Emails c. TV shows
5. .... communication is sending messages between two people at the same time.
   a. Synchronous b. Asynchronous c. a & b
6. The internet is used to communicate in .... connection.
   a. synchronous b. asynchronous c. a and b
7. .... is more formal than instant messaging.
   a. Email b. Computer c. Chat room
8. .... allows you to communicate in groups and usually focus on one topic.
   a. The internet b. Chat room c. A mobile application
9. To access the internet, we use a browser, such as ....
   a. WhatsApp b. Google c. Facebook
10. .... allows you to communicate directly with one or more people through your computer.
    a. Email b. Mobile app c. Video chat
11. Instant messaging may include ....
    a. videos only b. pictures only
    c. texts, pictures, or videos

2 Put (✓) or (✗):

1. Asynchronous communication is a communication that does not require an immediate response. ( )
2. One of the applications of asynchronous communication is instant video chats and live TV programs. ( )
3. Skype is an asynchronous communication medium. ( )
4. You can communicate with an unknown person online without consulting any of your family members. ( )
5. The email application cannot be accessed on your mobile device. ( )
6. A cell phone application allows you direct chats. ( )
7. Google Chrome is a browser that is used to access the internet. ( )
8. Instant messaging allows you to send text messages, pictures, and videos using the internet. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Email	a. gives you direct access to various programs.
2 Google	b. is a formal way of communication among team work.
3 Video chats	c. may include texts, pictures, or videos.
4 Mobile App	d. allow you to communicate virtually with friends from other countries.
5 Instant Messaging	e. is the most famous browser.

1 .... 2 .... 3 .... 4 .... 5 ....

4 Complete the following sentences using the words between the brackets:

(A cell phone application – Video chats– Google Chrome – Chat rooms – synchronous – asynchronous)

1. Email is considered an example for .... communication.
2. Chat rooms and video chats are examples for .... communication.
3. .... allow you to communicate with other people through your computer virtually.
4. .... is a group in which people talk to each other in a specific topic.
5. .... is one of the most important browsers.
6. .... allows you to access to email, instant messaging, social network pages.

Lesson 5 How to Use E-communication

How to Use ICT Tools to Communicate

Making Video Chats إجراء محادثات الفيديو

» **To start a video chat:**
- Create a link and send it to the participant(s).

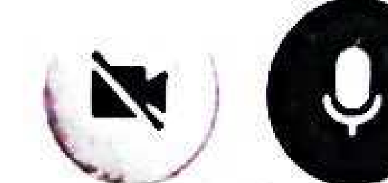
» **If you want to join a video chat:**
- Click on the link and wait to be "let in" by the person who initiated it.

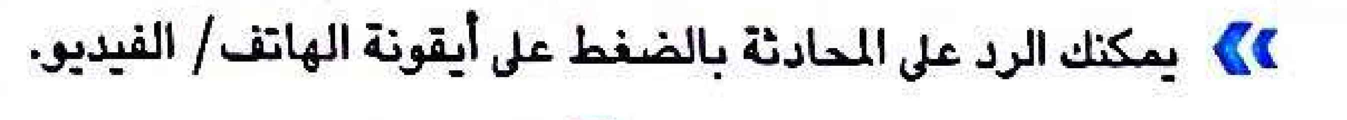
لبدء محادثة فيديو: يمكنك إنشاء رابط وإرساله إلى المشارك أو المشاركين.

للانضمام لمحادثة فيديو: يمكنك أن تنقر على الرابط وتنتظر حتى يتم السماح لك بالدخول من الشخص الذي بدأ المحادثة.



» You can answer the call by clicking on the phone/video icon.





« يمكنك الرد على المحادثة بالضغط على أيقونة الهاتف / الفيديو.

» Make sure the microphone and camera are on. « تأكد من تشغيل الميكروفون والكاميرا.

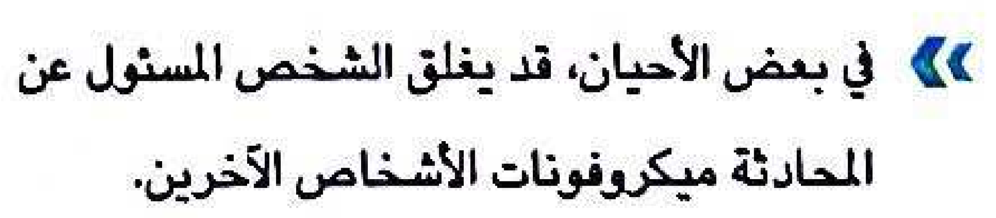




» Sometimes the person in charge of the chat may turn off other people's microphones.

« في بعض الأحيان، قد يغلق الشخص المسئول عن المحادثة ميكروفونات الأشخاص الآخرين.





» You can mute the microphone or turn off the camera anytime.

« يمكنك أنت أيضًا غلق صوت الميكروفون أو إيقاف تشغيل الكاميرا وقتما تشاء.

If the camera is on إذا كانت الكاميرا قيد التشغيل



- Be properly dressed.
- Act as if you are in a public place.
- Speak when it is your turn.
- Make sure there is nothing in the background indicating your address or any personal information you do not want to share.

- ارتدِ ملابس مناسبة.
- تصرَّف كما لو كنت موجودًا في مكان عام.
- تحدَّث عندما يأتي دورك.
- تأكد من عدم وجود أي شيء في الخلفية يشير إلى عنوانك أو أي معلومات شخصية لا تود مشاركتها.

Chat Rooms غُرَف الدردشة



In the chat room:

1. You can simply type and send your comment.
2. You can also reply to messages.
3. Some participants may reply to your message.
4. Anyone who has access to the chat room will be able to read your messages, so:
   - Be polite. – Be helpful. – Be positive.

في غرفة الدردشة:

1. يمكنك ببساطة كتابة تعليقك وإرساله. 2. كما يمكنك الرد على الرسائل.
3. قد يرد بعض المشاركين على رسالتك أيضًا.
4. أي شخص لديه حق الوصول إلى غرفة الدردشة سيكون قادرًا على قراءة رسائلك؛ لذلك:
   - كن مهذبًا. – مفيدًا. – إيجابيًا.

Instant Messaging المراسلة الفورية

1. Click on the name of the person you want to chat with.
2. Type your message.
3. Click on the "Send" icon.



Instant messaging is a fun and informal way to communicate:

- You can use short phrases instead of full sentences.
- You can use emotions and images to communicate, but it is important to be ethical while dealing with others.

1. اضغط على اسم الشخص الذي ترغب في الدردشة معه.
2. ثم اكتب رسالتك. 3. انقر على أيقونة «إرسال».

تُعد المراسلة الفورية وسيلة ممتعة وغير رسمية للتواصل:

- يمكنك استخدام عبارات قصيرة بدلًا من الجُمَل الكاملة.
- يمكنك استخدام الرموز والصور للتواصل، لكن من المهم التحلي بالأخلاق في التعامل مع الآخرين.

Email البريد الإلكتروني

To :
Cc :
Subject :

It is common to use emails in more formal situations, such as:

1. Creating an account on the Egyptian Knowledge Bank.
2. Writing to your teacher.

To send an email to someone:

1. Type their email address in the "To:" field.
2. Then provide clear information in the subject line.

- **When writing an email, make sure to:**
  - Use proper grammar.
  - Be polite and clear.
  - Use greetings and endings.
- **If you're sending attachments, make sure the information you're sending is secure and accurate.**

من الشائع استخدام رسائل البريد الإلكتروني في المواقف الأكثر رسمية، مثل:

1. إنشاء حساب على بنك المعرفة المصري.
2. مراسلة معلمك.

لإرسال بريد إلكتروني إلى شخص ما:

1. اكتب عنوان بريده الإلكتروني في خانة «إلى To».
2. ثم قدّم معلومات واضحة عن موضوع الرسالة في سطر الموضوع Subject.

- عند كتابة رسالة بريد إلكتروني، تأكد من:
  - استخدام القواعد النحوية الصحيحة.
  - كن مهذبًا وواضحًا.
  - استخدم عبارات التحية والختام.
- إذا كنت ترسل مرفقات، فتأكد من أن المعلومات التي ترسلها آمنة ودقيقة.

Send



1 Choose the correct answer:

1. To start a ...., you must create a link and send it to the participants.
   a. conversation b. chat room c. video chat
2. When the camera is turned off during a video chat, ...
   a. be properly dressed b. anyone can see you c. no one can see you
3. To start a video chat, you must create a/an ....
   a. email b. link c. video
4. The .... application is used to conduct group video chats.
   a. Skype b. EKB c. Augmented reality
5. The last step for instant messaging is ....
   a. writing the message
   b. pressing the "Send" icon
   c. pressing the "Contact List" icon
6. It is common to use .... in more formal situations.
   a. emails b. instant messaging c. chat rooms
7. You can write the title of your message via email in the field ....
   a. "From" b. "Subject" c. "Attachments"
8. You can send long text messages over the internet through ....
   a. interactive map designer b. emails
   c. video chats

9. Anyone who has access can enter ....
   a. the video chat   b. your account   c. the chat room

10. We must add greetings and endings when using ....
   a. emails   b. instant messaging   c. chat rooms

2 Put (✓) or (✗):

1. Anyone can enter the video chat without needing permission. (   )
2. No one in the video chat will be able to see you if your camera is turned on. (   )
3. You can turn the microphone and camera on or off during video chat. (   )
4. You cannot turn off your microphone or camera after you start the video chat. (   )
5. In chat rooms, you cannot reply to messages. (   )
6. Instant messaging is a fun and formal way to communicate. (   )
7. Video chat is considered an example of synchronous communication. (   )
8. We use the email to create an account on the Egyptian Knowledge Bank. (   )
9. You can write the email of the person you're sending the message to in the "Subject" field. (   )
10. During writing an email, don't forget to use greetings and endings. (   )

3 Complete the following sentences using the words between the brackets:

(video chat - Send- Instant messaging - phone/video - email)

1. When writing a message on ...., you must use greeting and ending phrases.
2. During the video chat, you can reply to the conversation by clicking on the .... icon.
3. To join a ...., you have to click on its link and wait for it to be done "Allowing you to enter" by the person who started the conversation.
4. To send an instant message, click on the "...................." icon.
5. .... is a means of communication that enables you to use short phrases as well as symbols and images to communicate.

4 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Chat room	a. is a fun and informal way to communicate.
2. Video chat	b. is a formal way to communicate.
3. Instant messaging	c. Anyone can have access to join it.
4. Email	d. You need a permission to enter it.
	e. It contains a digital library that helps students.

1 .... 2 .... 3 .... 4 ....



Lesson 6 Online Learning Environments and Sources

Online Learning Environments
بيئات التعلُّم عبر الإنترنت

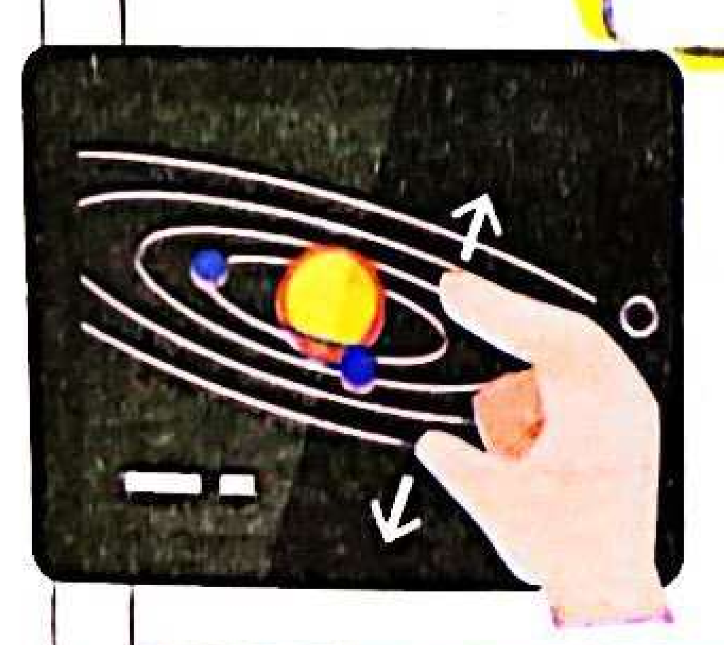
Online learning environments, such as Edmodo:

1. Allow teachers and students to communicate with each other no matter where they are.
2. Teachers can provide virtual lessons, and upload tests and homeworks for students to access.
3. Students can communicate with their teachers and post assignments upon completing them.

بيئات التعلُّم عبر الإنترنت مثل Edmodo:

- تسمح للمعلمين والتلاميذ بالتواصل مع بعضهم بغض النظر عن مكان وجودهم.
- يمكن للمعلمين تقديم دروس افتراضية وتحميل الاختبارات والواجبات المنزلية؛ ليتمكَّن التلاميذ من الوصول إليها.
- يمكن للتلاميذ التواصل مع معلميهم ونشر المهام الدراسية عند إكمالها.

Online Learning Resources
مصادر التعلُّم عبر الإنترنت



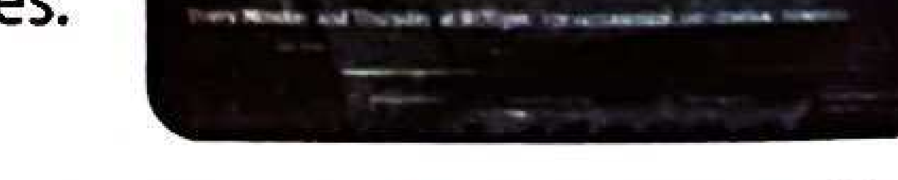
There are many online learning resources that can help you learn about different subjects.

ثمة العديد من مصادر التعلُّم عبر الإنترنت يمكن أن تساعدك في التعرُّف على موضوعات مختلفة.





1 Egyptian Knowledge Bank بنك المعرفة المصري

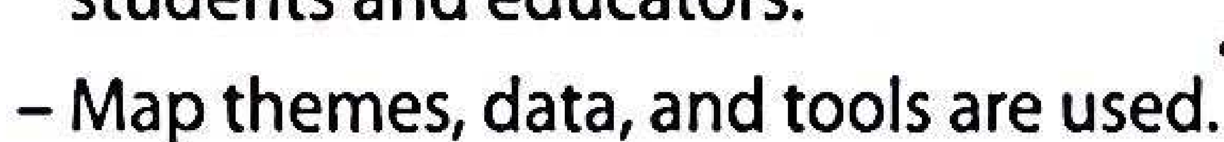


- The first online library in Egypt that contains resources on a variety of subjects.
- **It enables you to search and examine:**
  - Various topics.
  - Digital articles.
  - Videos by simply clicking on them.

- المكتبة الإلكترونية الأولى في مصر التي تحوي مصادر حول موضوعات متنوعة.
- **تُمكِّنك من البحث والاطلاع على:**
  - الموضوعات المختلفة.
  - المقالات الرقمية.
  - مقاطع الفيديو بمجرد الضغط عليها.

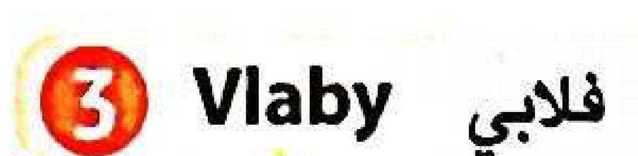
2 Mapmaker Interactive مصمم خرائط تفاعلي

- An interactive feature of National Geographic, Mapmaker Interactive provides:
  - Online mapping tools for students and educators.
  - Map themes, data, and tools are used.



- **خاصية تفاعلية مميزة تقدمها ناشيونال جيوجرافيك، ويوفر مصمم الخرائط التفاعلي:**
  - أدوات رسم الخرائط عبر الإنترنت للتلاميذ والمعلمين.
  - استخدام موضوعات وبيانات وأدوات متعلقة بالخرائط.





3 Vlaby فلابي



A virtual lab platform that:
- Enables students and teachers to do lab experiments in an interactive environment.
- Is not only informative, but it is fun too.

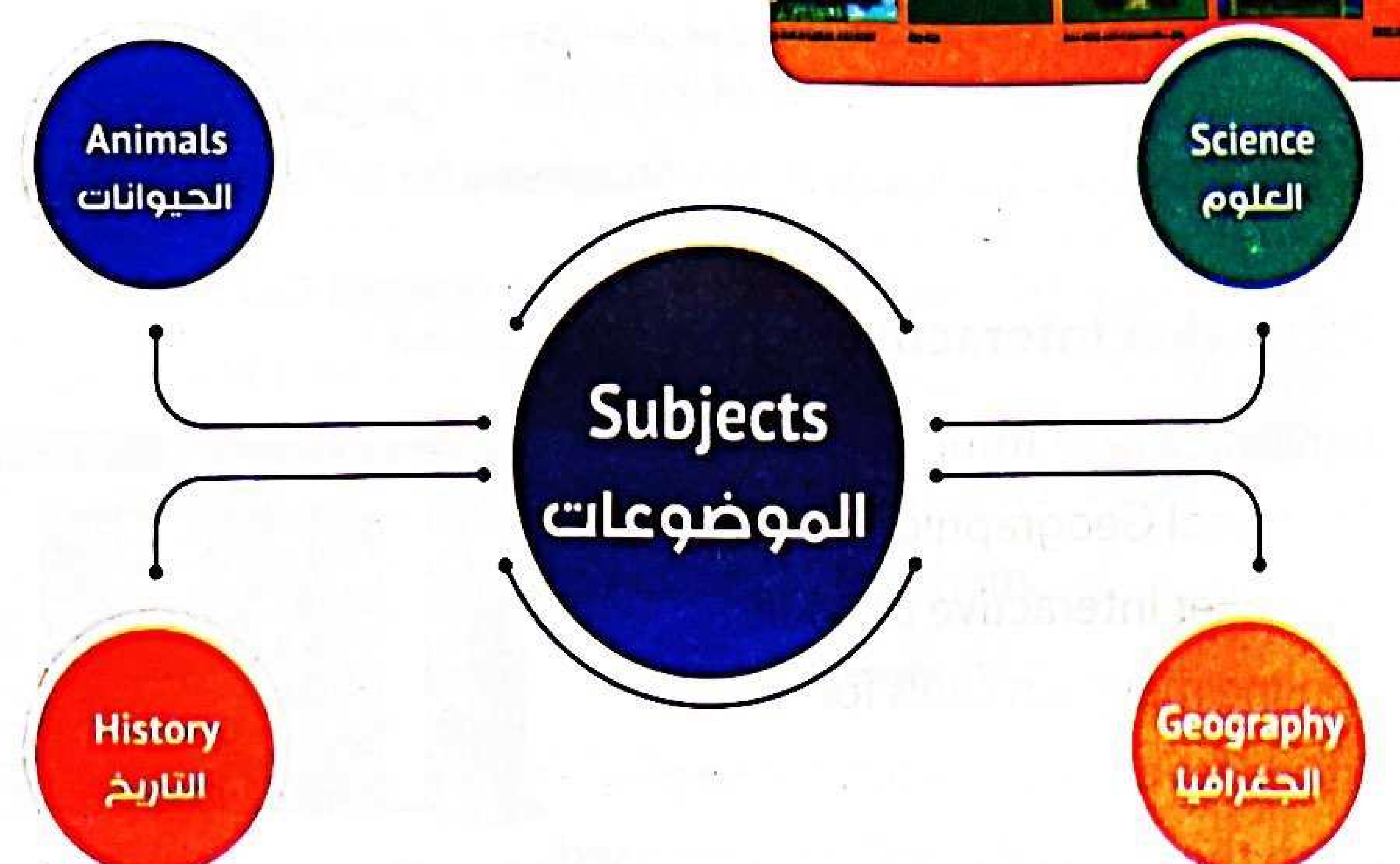
منصة معامل افتراضية:
- تُمكِّن التلاميذ والمعلمين من إجراء تجارب معملية في بيئة تفاعلية.
- ليست غنية بالمعلومات فحسب، بل إنها ممتعة أيضًا.

4 National Geographic Kids ناشيونال جيوجرافيك كيدز



» A popular online resource that enables kids to find information on a variety of subjects:

« مصدر شائع على الإنترنت يُمكِّن الأطفال من العثور على معلومات عن موضوعات متنوعة.



» Reliable online digital tools are invaluable sources of information.

» The Mapmaker Interactive website is one of the safest sites for research and data collection.

« تُعد الأدوات الرقمية الموثوقة عبر الإنترنت مصادر معلومات لا تُقدَّر بثمن.

« ويعد موقع مصمم الخرائط التفاعلي من المواقع الآمنة للبحث وجمع البيانات.





1 Choose the correct answer:

1. Which of the following sites can your teacher use to deliver lessons online?
   a. EKB platform
   b. Edmodo platform
   c. WhatsApp application

2. A friend of yours wants to learn about the history of ancient Egypt, which platform would you recommend?
   a. The Egyptian Knowledge Bank
   b. Video sharing platforms
   c. Social media platforms

3. Which of the following online learning resources would you recommend to your friend who wants to conduct an experiment to find out the boiling point of water?
   a. The Mapmaker Interactive
   b. Vlaby platform
   c. The Egyptian Knowledge Bank

4. .... enables anyone to build smart and beautiful maps.
   a. The Mapmaker Interactive
   b. Vlaby platform
   c. The Egyptian Knowledge Bank

5. .... can provide virtual lessons with online learning environments.
   a. Vlaby b. Facebook c. Edmodo

6 .... is the first electronic library in Egypt that includes many sources about various topics.

a. The Mapmaker Interactive b. Vlaby
c. The Egyptian Knowledge Bank

7 .... is a popular online resource that enables children to find information on a variety of topics, such as animals and science.

a. Mapmaker Interactive
b. National Geographic Kids
c. Egyptian Knowledge Bank

2 Put (✓) or (✗):

1. It is possible to find information about space science and history on the Mapmaker Interactive platform. ( )
2. Edmodo digital learning environment allows teachers and students to communicate and learn online. ( )
3. The Mapmaker Interactive is one of the safest sites for research and data collection. ( )
4. The National Geographic platform for children enables you to conduct an experiment in science interactively. ( )
5. Reliable online digital tools are very valuable sources of information. ( )
6. Vlaby platform enables children to find information about topics, such as animals, science, and history. ( )
7. Students can send their homework by Edmodo platform. ( )
8. National Geographic Kids enables teachers to conduct laboratory experiments. ( )



Planning Digital Searches

Conducting a Digital Search with Reliable Content

إجراء بحث رقمي للحصول على محتوى موثوق

- It is important to plan before doing any digital research.
- Planning will help you focus your search on the information you are trying to collect.

- من المهم التخطيط قبل إجراء أي بحث رقمي.
- سيساعدك التخطيط على تركيز بحثك على المعلومات التي تحاول جمعها.

1 Choose your research topic

اختر موضوع بحثك

- Think: What do you know about the topic?
- What would you like to learn about it?
- Write some notes.

- فكّر: ماذا تعرف عن الموضوع؟
- ما النقاط الإضافية التي تريد أن تتعلّمها عنه؟
- دوّن بعض الملاحظات.

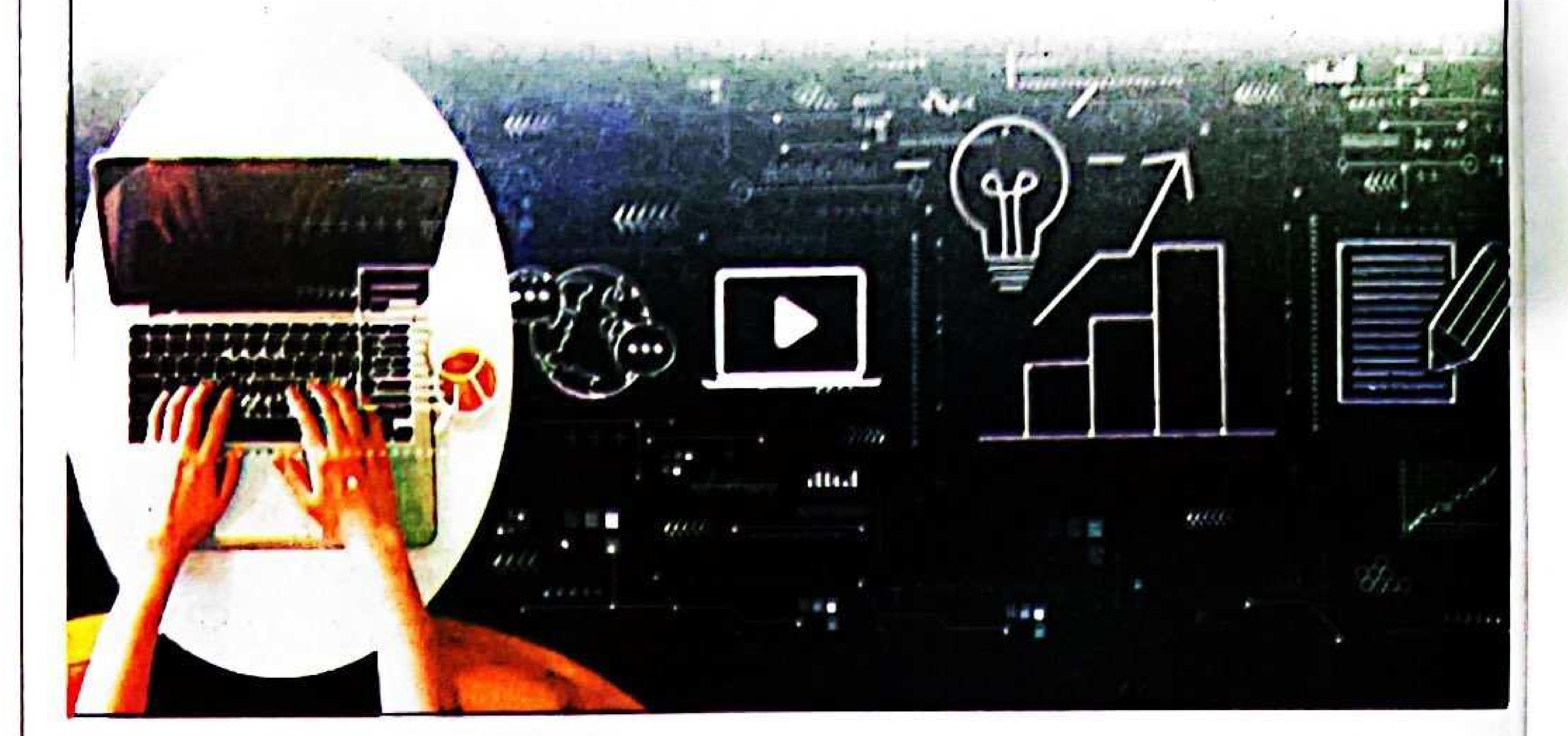


2 Choose the types of the online sources you will use

اختر أنواع المصادر الإلكترونية التي ستستخدمها

- Remember that digital researches can include text sources as well as other sources, such as:
  - Audios
  - Videos
  - Images
- You can ask your teacher, parents, or school librarian about which sources to use in your research.

- تذكّر أنه يمكن للبحث الرقمي أن يتضمن مصادر نصية ومصادر أخرى، مثل:
  - التسجيلات الصوتية.
  - مقاطع الفيديو.
  - الصور.
- يمكنك استشارة معلمك أو والديك أو أمين مكتبة المدرسة حول المصادر التي يصلح استخدامها في بحثك.



3 Evaluate the types of sources

قيّم مصادر المعلومات

- Are they ***reliable*** or ***unreliable*** ?





As you do your digital research, make sure to:

- Focus only on the topic you are researching.
- When you find information that might answer your questions, evaluate it. Is it reliable?

أثناء إجرائك البحث الرقمي، احرص على:

- التركيز على الموضوع الذي تبحث عنه فقط.
- عند عثورك على معلومات قد تجيب عن أسئلتك، قيّمها، هل هي موثوقة؟

Once you have determined that the information is reliable:

- Take thorough notes.
- Make sure that you write what you will use from the source material.
- Don't forget to cite the source in your notes; so that you can credit it in your report.

وبعد أن تُقرّر أن المعلومات موثوقة:

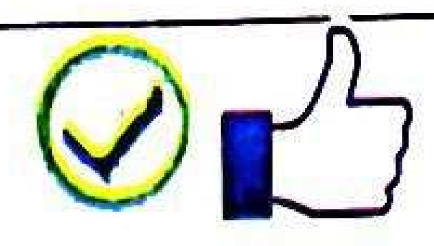
- دوّن ملاحظات مُفصّلة ودقيقة عنها.
- احرص على أن تكتب ما ستستخدمه من مادة المصدر.
- لا تنسَ ذِكرَ المصدر في ملاحظاتك؛ لكي تتمكّن من توثيقه في تقريرك.

Reliable Sources

مصادر موثوقة

- They are articles or information written and verified by experts.
- The information is
  1. Presented in a professional fashion.
  2. Well-written without grammar or spelling mistakes.

- هي مقالات أو معلومات كتبها وتحقّق منها خبراء.
- تُقدَّم فيها المعلومات بطريقة احترافية.
- وتُكتب بعناية ولا تحتوي أخطاء إملائية أو نحوية.

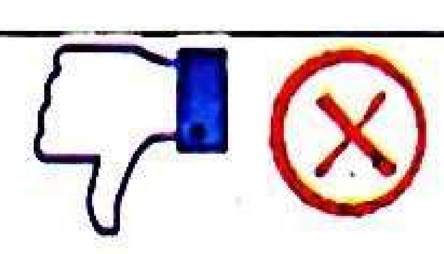


Unreliable Sources

مصادر غير موثوقة

- They are information full of opinions and even lies.
- You may find this information on social media sites, such as: Facebook, Wiki pages and blogs.
- You must be careful with these types of sources.

- هي معلومات قد تحتوي على آراء أو حتى أكاذيب.
- قد تجد تلك المعلومات على مواقع التواصل الاجتماعي مثل: فيسبوك ومواقع الويكي والمدونات.
- عليك الحذر عند استخدام هذا النوع من المصادر.



Organizing and Writing Your Report
تنظيم تقريرك وكتابته

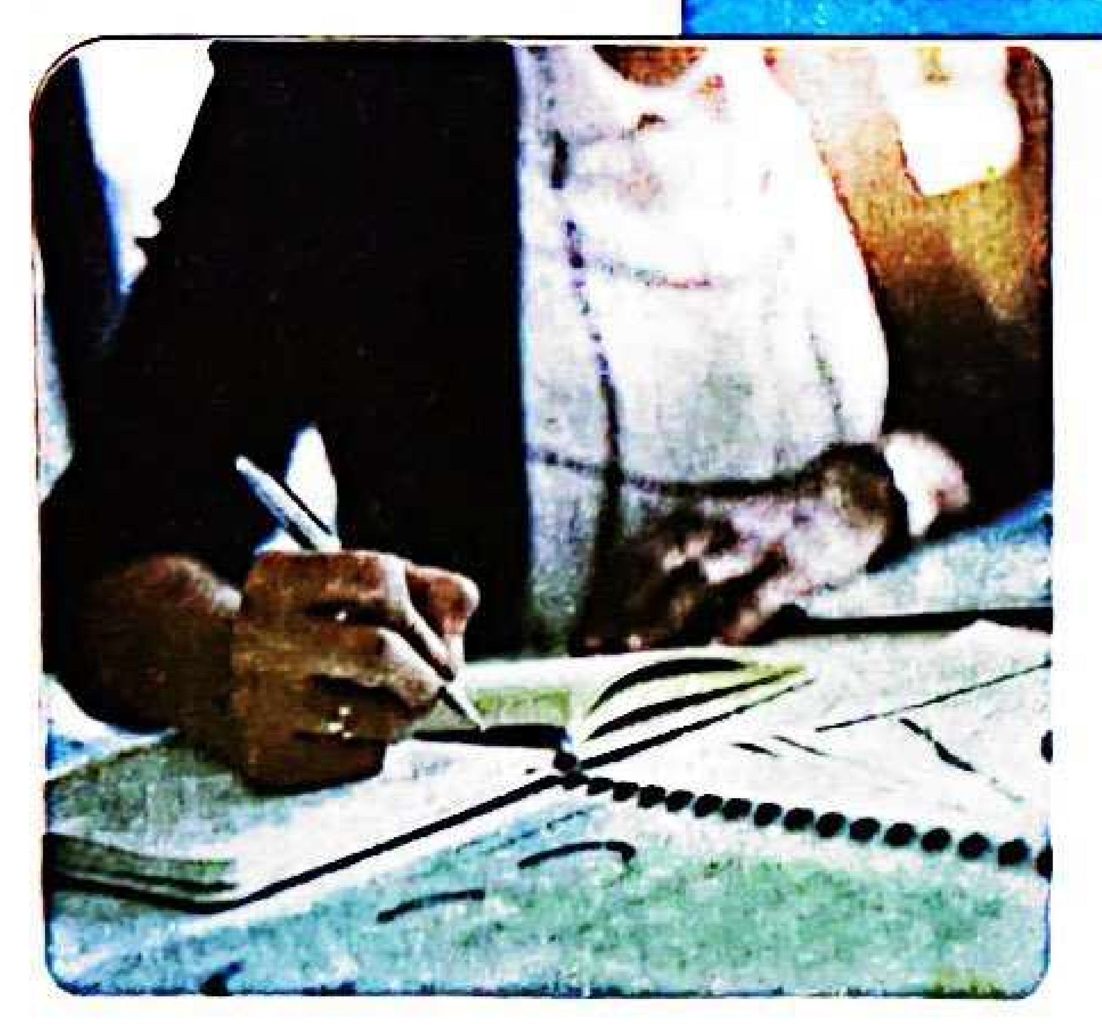
» **After you are done searching online:**

1. Gather your notes and reliable information.
2. Use your notes to write an outline.
   - This will help you present the information in your report in a logical way.

» **بعد انتهائك من البحث عبر الإنترنت:**

1. اجمع ملاحظاتك والمعلومات الموثوقة.
2. استخدم ملاحظاتك لكتابة مخطط.
   - سيساعدك ذلك على تقديم المعلومات في تقريرك بطريقة منطقية.

Writing an Outline
كتابة مخطط



» **The outline should include:**

- An introduction to the topic of the report.
- Supporting paragraphs that present information.
- Conclusion or final thoughts on the information you have presented.

» **على المخطط أن يتضمن الأجزاء التالية:**

- مقدمة تَعرض موضوع التقرير.
- فقرات داعمة تُقدِّم المعلومات.
- خاتمة أو أفكارًا نهائية حول المعلومات التي قدمتها.



1 Choose the correct answer:

1. When conducting research, it is necessary to mention the .... in the final report.
   a. articles b. outline c. sources of information
2. .... are always written and verified by experts.
   a. Reliable sources b. Inaccurate c. Unreliable sources
3. Facebook, Wiki pages, and blogs are .... sources.
   a. reliable b. accurate c. unreliable
4. .... is the first step of conducting a digital search and obtaining reliable content.
   a. A reliable source b. Defining the topic of the research c. The scheme
5. Social media sites, such as .... may include information full of opinions and errors
   a. Facebook b. EKB c. Google
6. Ahmed wrote a research paper on tourism in Egypt and he quoted a part of a research from the Egyptian Knowledge Bank platform, as he must ....
   a. refer to publishers or authors in the research paper
   b. publish the research without referring to the publishers
   c. share the researches of others to sell them without their permission

7. It is essential that your research plan includes ....
   a. paragraphs providing information
   b. information of questionable authenticity
   c. digital blogs

8. When conducting a digital search, your outline must include ....
   a. an introduction to the research topic
   b. details far from the research topic
   c. unreliable information

2 Put (✓) or (✗):

1. Unreliable sources provide information with some errors. ( )
2. It is preferable for you to consult your teacher about trusted resources. ( )
3. All social network sites contain reliable information. ( )
4. Focus only on the topic you are researching. ( )
5. Facebook, Wiki pages, and blogs are reliable sources. ( )

3 Arrange the following steps:

1. (............) Gather your notes and trusted information.
2. (............) Evaluate the sources. Are they reliable?
3. (............) Write a conclusion or final thoughts on the information you have provided.
4. (............) Focus only on the topic you are researching.



Synchronous and Asynchronous Communication



- The internet allows us to **communicate instantaneously**.
- We can have **conversations** with people who live far away.
- But instantaneous communication is **not always a good thing**.
- Sometimes we have to give ourselves or others enough time to think about the information we have sent, our questions or their answers.
- It is important to know **when to use each type of communication**.

- تسمح لنا شبكة الإنترنت بالتواصل بشكل متزامن.
- يمكننا إجراء محادثات للاطمئنان على الأشخاص الذين يعيشون بعيدًا عنا.
- لكن التواصل المتزامن ليس أمرًا جيدًا دائمًا.
- فأحيانًا علينا أن نمنح أنفسنا أو الآخرين الذين نتواصل معهم وقتًا كافيًا للتفكير في المعلومات التي أرسلناها: أسئلتنا أو إجاباتهم.
- من المهم معرفة متى نستخدم كل نوع من التواصل.



Synchronous Communication



الاتصال المتزامن

Synchronous communication is suitable:

- Between friends or close family members.
- When the information is urgent or needs to be transmitted quickly.
- When the information is about day-to-day matters.
- When the answer does not require much thought and preparation.

يكون الاتصال المتزامن مناسبًا:

- بين الأصدقاء أو أفراد الأسرة المقربين.
- عندما تكون المعلومات ملحة أو بحاجة إلى أن تُنقل بسرعة.
- عندما تدور المعلومات حول مسائل من الحياة اليومية.
- عندما لا تحتاج الإجابة إلى الكثير من التفكير والتحضير.



Asynchronous Communication

الاتصال غير المتزامن

Asynchronous communication is suitable:

- Between people who do not know each other well.
- When the information is important but not urgent.
- When the information is about sensitive or complex topics.
- When the answer needs to be thought of and prepared.

يكون الاتصال غير المتزامن مناسبًا:

- بين الأشخاص الذين لا يعرفون بعضهم جيدًا.
- عندما تكون المعلومات مهمة، لكن غير مُلحة.
- عندما تدور المعلومات حول موضوعات حساسة أو معقدة.
- عندما تحتاج الإجابة إلى التفكير والتحضير.

- Remember that online learning environments include synchronous and asynchronous means of communication.
- ***Choose the right means for each situation.***
- تذكّر أن بيئات التعلُّم عبر الإنترنت تتضمن وسائل الاتصال المتزامن وغير المتزامن.
- اختر الأداة المناسبة لكل موقف.



1 Choose the correct answer:

1. When the information is urgent, it is preferable to use .... communication.
   a. asynchronous b. synchronous c. paper letters
2. .... communication is suitable between people who do not know each other well.
   a. Synchronous b. Asynchronous c. No correct answer
3. Online learning environments include .... communication.
   a. synchronous b. asynchronous c. a & b
4. If you make a video to share, you can edit out your verbal mistakes by .... communication.
   a. synchronous b. asynchronous c. a & b
5. Which of the following situations is appropriate for simultaneous communication?
   a. Contacting the police to report an incident of theft.
   b. Calling your colleague to find out the date of the scheduled trip at the end of the year.
   c. Calling your colleague to talk to him about a topic you learned today at school.
6. Simultaneous communication is appropriate ....
   a. between people who do not know each other.
   b. between friends or family members.
   c. with someone who asks you a question that requires thinking
7. With .... learning, participants can receive immediate feedback.
   a. asynchronous b. synchronous c. a & b
8. .... communication allows more time to gather the information, resources, thoughts, and opinions before answering the questions.
   a. Synchronous b. Asynchronous c. Simultaneous

2 Put (✓) or (✗):

1. Synchronous communication doesn't happen in real-time. ( )
2. Simultaneous communication is appropriate when it is between close family members. ( )
3. Asynchronous communication is appropriate when the information is important and requires rapid action. ( )
4. Online learning environments include synchronous communication only. ( )
5. We use simultaneous communication to have conversations with people who live far from us. ( )
6. The internet only allows us to communicate simultaneously. ( )
7. Simultaneous communication is not always a good thing. ( )

3 Select the appropriate type of communication in each of the following situations:

Situations	Synchronous	Asynchronous
1 Members of a team sending their opinions about a project using emails.		
2 A football match is live on a TV channel.		
3 An article on a journal is about the history of ancient Egyptians.		
4 You contacting the ambulance to report an accident.		
5 You commenting on your friend's post on Facebook after you go home.		
6 Students communicating virtually with their teachers through Zoom.		
7 Students sending their tasks through Edmodo after thought and preparations.		
8 Holding a virtual meeting between close family members.		

Tests on Theme 3



1 Choose the correct answer:

1. Someone tracking your responses on different social networking sites. is ....
   a. digital footprint b. digital piracy c. assumptions
2. You can make video calls with your friends through your ....
   a. scanner b. mobile phone c. printer
3. .... can provide virtual lessons with online learning environments.
   a. Vlaby b. Facebook c. Edmodo
4. When the information is urgent, it is preferable to use .... communication.
   a. asynchronous b. synchronous c. paper letters

2 Put (✓) or (✗):

1. In Egypt, it is difficult to book tickets of trains for airplanes online. ( )
2. Webinars provide guidance and tips on how to register on the EKB and use it. ( )
3. In chat rooms, you cannot reply to messages. ( )
4. All social networking sites contain reliable information. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Facebook	a. contains a digital library that helps students.
2 Email	b. is an unreliable source of information.
3 EKB	c. is a formal way to communicate.

1 .... 2 .... 3 ....

4 Complete the following sentences using the words between the brackets:

(video chat - Send- instant messaging - phone/video - email)

1. When writing a message on ...., you must use greeting and ending phrases.
2. During a video chat, you can reply to the conversation by clicking on the icon ....
3. To join a ...., you have to click on its link and wait for it to be done "Allowing you to enter" by the person who started the conversation.
4. To send an instant message, click on the "...................." icon.



1 Choose the correct answer:

1. William Tyner uses .... to solve problems in his work.
   a. traveling b. technology
   c. money
2. The webinars provide tips on how to .... on EKB and use it.
   a. website b. web page
   c. register
3. You can write the title of your message via email in the field "....................".
   a. From b. Subject
   c. Attachments
4. Facebook, Wiki pages, and blogs are .... sources.
   a. reliable b. accurate
   c. unreliable

2 Put (✓) or (✗):

1. Achieving digital citizenship entails a set of rights and duties. (   )
2. Instant messaging allows you to send text messages, pictures, and videos using the internet. (   )
3. Mapmaker Interactive is one of the safest sites for research and data collection. (   )
4. The internet only allows us to communicate simultaneously. (   )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Email	a. is a fun and informal way to communicate.
2 Video chat	b. is a formal way to communicate.
3 Instant messaging	c. You need a permission to enter it.

1 .... 2 .... 3 ....

4 Complete the following sentences using the words between the brackets:

(Digital books – digital citizens – EKB – digital technology – interactive whiteboard – computers)

1. William Tyner uses .... to find real solutions for problems.
2. William Tyner believes that using technology in a positive way helps people to become successful ....
3. ...., ... and .... are examples of ICT tools.
4. .... provides valuable information for Egyptian citizens online.



1 Choose the correct answer:

1. .... is a record of everything you do online.
   a. Digital technology b. Digital piracy c. Digital footprint
2. Asynchronous communication does not need ....
   a. an instant response b. a web browser c. the internet
3. Which of the following online learning resources would you recommend to your friend who wants to conduct an experiment to find out the boiling point of water?
   a. The Mapmaker Interactive b. EKB
   c. Vlaby
4. If you make a video to share, you can edit out your verbal mistakes by the .... communication.
   a. synchronous b. asynchronous c. a & b

2 Put (✓) or (✗):

1. William Tyner works to find solutions to problems that benefit communities. (   )
2. Socializing can help us join online groups with similar interests. (   )
3. When writing an email, don't use greetings and endings. (   )
4. It is preferable for you to consult your teacher about trusted resources. (   )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Instant messaging	a. is the most famous browser.
2 Google	b. allow you to communicate virtually with friends from other countries.
3 Video chats	c. may include texts, pictures, or videos.

1 .... 2 .... 3 ....

4 Complete the following sentences using the words between the brackets:

(ICT tools - Egyptian government – Digital citizen - EKB – Socializing)

1. The .... provided digital resources to achieve an educational system based on skills.
2. .... is a person who uses ICT tools to learn and share.
3. .... help us to learn languages at school using pictures.
4. .... contains a digital library that helps students to access all the learning materials.

Test 4

1 Choose the correct answer:

1. .... is a digital library that allows Egyptians to access learning materials.
   a. EKB   b. Facebook   c. Social media
2. When you search for a video on YouTube to know how to prepare a healthy meal, this is an example of ....
   a. teaching   b. learning   c. communication
3. The .... application is used to conduct group video chats.
   a. antivirus   b. EKB   c. Skype
4. .... are always written and verified by experts.
   a. Reliable sources   b. Inaccurate   c. Unreliable sources

2 Put (✓) or (✗):

1. Digital piracy can help you to protect your content from hacking. (   )
2. The email application cannot be accessed on your mobile device. (   )
3. Students can send their homework by Edmodo platform. (   )
4. Synchronous communication doesn't happen in real-time. (   )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Learning	a. is a fun way to communicate with your friend anytime.
2 Teaching	b. is watching videos for a lesson you have missed in school.
3 Chatting	c. is uploading videos for you to show some skills in football.

1 .... 2 .... 3 ....

4 Complete the following sentences using the words between the brackets:

(A cell phone application – Video chat – Google chrome – chat room – synchronous – asynchronous)

1. Email is considered an example of .... communication.
2. Chat rooms and video chats are examples of .... communication.
3. .... allows you to communicate with other people through your computer virtually.
4. A .... is a group in which people talk to each other about a specific topic.

Test 5

1 Choose the correct answer:

1. Using technology positively helps people to become .... citizens.
   a. genius b. successful digital c. successful
2. Evaluating whether your use of the internet is useful or not is from your ....
   a. rights b. privacy c. responsibilities
3. You can use .... to chat with your friends anytime you want.
   a. EKB b. Google c. WhatsApp
4. .... allow(s) you to communicate in groups and usually focus on one topic.
   a. Internet b. Chat rooms c. Mobile applications

2 Put (✓) or (✗):

1. No one in the video chat will be able to see you if your camera is turned on. ( )
2. Mapmaker Interactive is one of the safest sites for research and data collection. ( )
3. Unreliable sources provide information with some errors. ( )
4. The internet only allows us to communicate simultaneously. ( )

3 Select the appropriate type of connection in each of the following cases:

1. You contact the police to report an accident. ( )
2. You comment on your friend's post on Facebook after you go home. ( )
3. Students send their tasks through Edmodo after thought and preparations. ( )

4 Mark the suitable answer between "Reliable or Unreliable":

1 EKB	Reliable ☐	Unreliable ☐
2 Blogs	Reliable ☐	Unreliable ☐
3 Facebook	Reliable ☐	Unreliable ☐

Theme 4

Software Projects



Theme 4 Scope and Sequence

Software Projects

Essential Question: How can ICT tools benefit our lives?

Lesson	Topics	Skills Integration		
		Life Skills	Values	Issues and Challenges
LESSON 1 Explorer in Action	• Different kinds of software • Applying ICT applications in (research, games,...) • How ICT tools are helping animals around the world	**Learning to do:** Productivity; setting goals **Personal values:** Accountability; setting expectations	**Work values:** Cooperation **Personal values:** Companion	**Environment and development issues:** Environmental responsibility; sustainable development
LESSON 2 Problem-solving Skills	• The steps involved in problem-solving • How to analyze and solve problems	**Learning to know:** Critical thinking; problem solving	**Work values:** Cooperation	**Citizenship issues:** Belonging **Environment and development issue:** Social participation
LESSON 3 Presenting Information to Others	• Tools and techniques for presenting information • Design concepts	**Learning to do:** Decision making **Learning to be:** Sharing	**Academic values:** Curiosity	**Environment and development issues:** Environmental pollution; sustainable development
LESSON 4 Digital Applications	• How to evaluate sources found via search engines • Problem-solving • How to use Word and Excel	**Learning to know:** Critical thinking; creativity	**Personal values:** Independence	**Globalization issues:** Technological awareness
LESSON 5 Algorithms	• The concept of algorithms • How a search engine uses algorithms • How to solve a problem using an algorithm	**Learning to live together:** Means of communication **Learning to know:** Problem solving	**Academic values:** Appreciation of mathematics	**Globalization issues:** Digital citizenship
LESSON 6 The Principles of Coding	• The concept of coding • Coding and how it helps to solve problems	**Learning to know:** Creativity	**Work values:** Proficiency **Academic values:** Appreciation of mathematics	**Globalization issues:** Civilizational communication
LESSON 7 Graphic Art	• How to use graphic editors • How to add and edit photos • How visuals can help a presentation	**Learning to live together:** Reviewing goals	**Work values:** Perseverance	**Globalization issues:** Technological awareness
LESSON 8 Creating a PowerPoint Presentation	• Important elements of a presentation • PowerPoint features	**Learning to live together:** Means of communication **Learning to do:** Creating a set of instructions	**Work values:** Perseverance **Personal values:** Independence	**Globalization issues:** Technological awareness



Explorer in Action

Who is Gautam Shah?

- Gautam Shah is the founder of Internet of Elephants.
- He worked as an IT specialist in many countries, such as United States, India, Argentina, and Kenya.
- In 2014, he left his job and began to use his skills in wildlife conservation.
- Mr. Shah believes in using technology and online games to bring wildlife into people's daily lives, for that reason; he set up Internet of Elephants.

- هو مُؤسّس منظمة Internet of Elephants.
- عمل خبيرًا في مجال تقنية المعلومات في الكثير من البلدان، منها: الولايات المتحدة الأمريكية، والهند، والأرجنتين، وكينيا.
- استقال غوتام شاه عام ٢٠١٤ من عمله، وبدأ في استخدام مهاراته في الحفاظ على الحياة البرية.
- يؤمن غوتام شاه باستخدام التكنولوجيا والألعاب على الإنترنت؛ لإدخال الحياة البرية ضمن اهتمامات الناس اليومية. ولهذا السبب، أنشأ غوتام شاه منظمة Internet of Elephants.



Wildlife conservation is protecting animals in their natural habitats.

الحفاظ على الحياة البرية
يعني حماية الحيوانات في بيئاتها الطبيعية.

Internet of Elephants An organization that uses ground-breaking digital tools to connect people with wildlife around the world.

هي منظمة تستخدم أدوات رقمية رائدة ومبتكرة؛ لتعزيز العلاقة بين الناس والحياة البرية حول العالم.



The team at Internet of Elephants

1. Works with animal conservation organizations from all over the world.
2. Uses the data they collected by GPS to create interactive online games.

1. يعمل فريق منظمة Internet of Elephants مع منظمات أخرى؛ للحفاظ على الحيوانات حول العالم.
2. يستخدم البيانات التي يجمعها بواسطة نظام تحديد المواقع العالمي؛ لتصميم ألعاب تفاعلية على الإنترنت.

Internet of Elephants creates unique mobile games using:

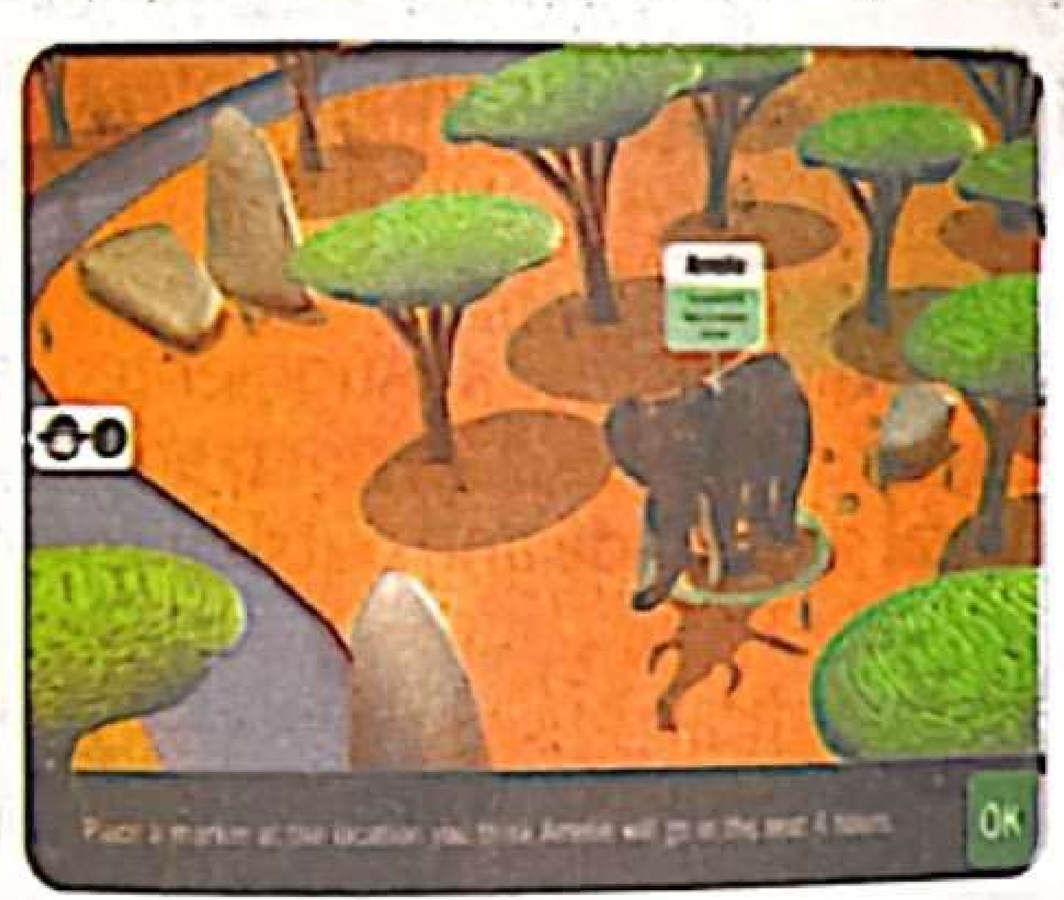
Augmented Reality (الواقع المعزز)
- Lets you virtually see the real environment of the things you would like to see.
- يسمح لك برؤية البيئة الحقيقية للأشياء التي ترغب في رؤيتها بشكل افتراضي.

Data Visualization (مؤثرات عرض البيانات)
- Allows people to interact with amazing creatures.
- تسمح للناس بالتفاعل مع مخلوقات رائعة.

Augmented reality presents you with information through:

1. Screens and digital tools made specifically for this purpose.
2. The games telling the stories of animals, and players can follow their daily lives.

- تقوم تقنية الواقع المعزز بعرض المعلومات من خلال:
1. شاشات عرض وأجهزة رقمية معدة لهذا الغرض.
2. الألعاب التي تروي قصة كل حيوان على حدة، ويستطيع اللاعب تتبُّع الحياة اليومية لكل حيوان.







1 Choose the correct answer:

1. Gautam Shah has worked as a/an .... in many countries.
   a. filmmaker b. anthropologist c. IT specialist
2. Gautam Shah is the founder of ....
   a. Internet of Elephants b. National Geographic
   c. Egyptian Knowledge Bank
3. .... is protecting animals in their natural habitats.
   a. Augmented reality b. Wildlife conservation c. Digital wildlife
4. You can watch wildlife while you are in your home using .... technology.
   a. artificial intelligence b. anthropology c. augmented reality
5. Internet of Elephants designs interactive ....
   a. movies b. games c. animations
6. Gautam Shah uses .... to save the wildlife.
   a. technology b. games c. a & b
7. .... is used to collect the data needed to design interactive online games.
   a. GPS b. Animation c. Augmented reality
8. You can see many archaeological sites inside and outside Egypt while you are at home using ....
   a. augmented reality b. piracy c. digital footprint

2 Put (✓) or (✗):

1. Augmented reality technologies help to provide information to you interactively. ( )
2. Internet of Elephants is an organization concerned with wildlife. ( )
3. Internet of Elephants uses the data collected via the GPS to design interactive games. ( )
4. Wildlife conservation is protecting animals in the zoo. ( )
5. Mr. Shah believes that using technology in online games brings wildlife into people's daily lives. ( )
6. Internet of Elephants creates unique mobile games using augmented reality. ( )

3 Complete the following sentences using the words between the brackets

(IT specialist - augmented reality - GPS - Wildlife conservation)

1. .... is protecting animals in their natural habitats.
2. Internet of Elephants creates unique mobile games using ....
3. Gautam Shah worked in many countries as ....
4. They use the data they collected by .... to create interactive online games.

4 Read and match the pictures to the words:

Column (A)	Column (B)
1	a. Mobile gaming
2 	b. Augmented reality
3	c. Data display software

1 .... 2 .... 3 ....



Problem-solving Skills

Taking Steps to Solve a Problem

» You may face problems when using ICT tools, so you will need to think to solve it.

» *Here are common steps that you can take:*

1. **Construct (Build) a Hypothesis.**
   - A hypothesis is an educated guess about how things work. It is an attempt to answer your question with an explanation that can be tested.
2. **Test your Hypothesis.**
   - Do not conduct any test which is not safe!
3. **Was your test successful?**
   - If not, don't worry, we learn from our mistakes.
   - What did you learn? How can this help you make your next hypothesis?

« **اتخاذ خطوات لحل مشكلة ما:**

قد تواجه بعض المشكلات عند استخدام أدوات تكنولوجيا المعلومات والاتصالات، تحتاج إلى التفكير فيها وحلها.

« **فيما يلي بعض الخطوات الشائعة التي يمكنك اتخاذها:**

– **بناء فرضية:** الفرضية هي تخمين علمي حول كيفية حدوث الأشياء، فهي محاولة للإجابة عن سؤالك بتفسير يمكن اختباره.

– **اختبر فرضيتك:** لا تنجز أي اختبار يعرضك للخطر.

– **هل نجح اختبارك؟** ما من مشكلة إذا لم ينجح، فنحن نتعلم من أخطائنا. ماذا تعلمت؟ كيف سيساعدك ذلك على بناء فرضيتك التالية؟

Trial and error strategy

It is a strategy based on the assumption and testing of different ways until you reach a successful way to solve the problem.

استراتيجية المحاولة والخطأ: تقوم على افتراض واختبار طرق مختلفة لحل المشكلة حتى تصل إلى طريقة ناجحة لحل المشكلة.

» **Some ICT problems may be more complicated than others, so:**

1. Work on breaking down problems into smaller sections.
2. Try to solve these sections step-by-step.

» قد يكون بعض مشكلات تكنولوجيا المعلومات والاتصالات أكثر تعقيدًا من غيره. اعمل على تقسيم هذه المشكلات إلى أجزاء صغيرة وحلّها تدريجيًّا.

Problem 1 Your teacher asks you to help organize the class trip.

▼

1. Decide on a destination for the trip.

▼

2. Determine when you will go and at what time.

▼

3. Find out the price of the trip per student.

▼

4. Determine how you and your class will get to the destination.

▼

5. Determine what everyone will need to bring with them.

▼

6. Come up with a list of rules to follow on the day of the trip.



1. قرِّر وجهة الرحلة.
2. حدِّد تاريخ الرحلة وتوقيتها.
3. اسأل عن سعر الرحلة لكل تلميذ.
4. حدِّد كيفية وصولك مع زملائك إلى الوجهة.
5. حدِّد الأغراض التي على التلاميذ إحضارها معهم.
6. ضع قائمة بالقواعد التي يجب اتباعها يوم الرحلة.

Problem 2 Microsoft Word isn't responding and you need to know why.

▼

1. Check if the keyboard is well connected.

▼

2. Restart your computer.

▼

3. Type a few letters on a Word page.

▼

4. Try connecting another keyboard, if available.

▼

5. You can ask your teacher to help you.



1. تحقَّق من اتصال لوحة المفاتيح.
2. أعد تشغيل الكمبيوتر.
3. افتح برنامج Word، ثم اكتب بعض الحروف.
4. حاول استبدال لوحة المفاتيح بأخرى جديدة.
5. يمكنك أن تطلب من معلمك مساعدتك.

Note

- If you have a group of people solving a problem, assign each person one section.
- إذا كان معك مجموعة من الأشخاص يساعدونك في حل مشكلة كبرى، فخصِّص لكل منهم جزءًا من أجزائها الصغرى ليحله.



1 Choose the correct answer:

1. .... is an attempt to answer your question with an explanation that can be tested.
   a. Hypothesis building b. Hypothesis testing c. Solving problems
2. You should be careful when solving problems that may pose a risk to you during the .... step.
   a. building hypotheses b. collecting data on hypotheses
   c. hypothesis testing
3. While turning on the computer, you found that it is not responding. You guessed that there was a malfunction in the operating switch, this guess is called ....
   a. hypothesis b. digital citizenship c. digital footprint
4. To provide the proposed solutions to solve the problem of the computer speakers not working, you must first ....
   a. test the hypotheses b. prepare the hypotheses
   c. verify the success of the test
5. If your teacher asks you to solve a specific problem, you must .... the problem.
   a. leave b. break down c. prepare
6. The first step in problem solving is ....
   a. hypothesis testing b. hypothesis c. hypothesis building
7. The first step we take to prepare a healthy meal is ....
   a. preparing the meal b. finding a recipe
   c. bringing ingredients
8. The last step in organizing a trip is ....
   a. making a list of the rules
   b. deciding the location of the trip c. selecting the trip date

2 Put (✓) or (✗):

1. When making a guess to solve a problem, this guess is called the hypothesis test. (   )
2. Your success in solving the problem means you succeeded in testing your hypothesis. (   )
3. In the hypothesis testing stage, a guess is made about how the problem occurred. (   )
4. It is important to break complex problems into small parts when solving them. (   )
5. Problems should not be divided into small parts so as not to be difficult to solve. (   )
6. In your daily life, you do not face any problems when using ICT tools. (   )
7. Any big problem should be left without solving. (   )
8. It is preferable to break problems down into smaller sections. (   )

3 Rearrange the following steps to organize the class trip:

a. (..........) Determine what everyone will need to bring with them.
b. (..........) Decide on a destination for the trip.
c. (..........) Determine when you will go and at what time.
d. (..........) Find out the price of the trip per student.
e. (..........) Determine how you and your class will get to the destination.

4 Your friend asked you to go with him to the cinema to watch a movie, try to arrange these steps:

a. (..........) Ask your friend about a suitable time for him.
b. (..........) Book a movie ticket from the cinema.
c. (..........) Ask your friend which movie he would like to see.



Presenting Information to Others

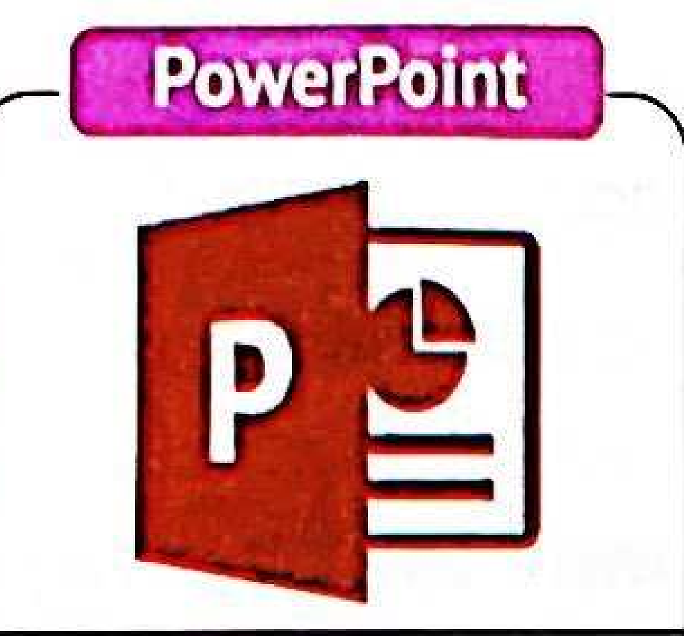
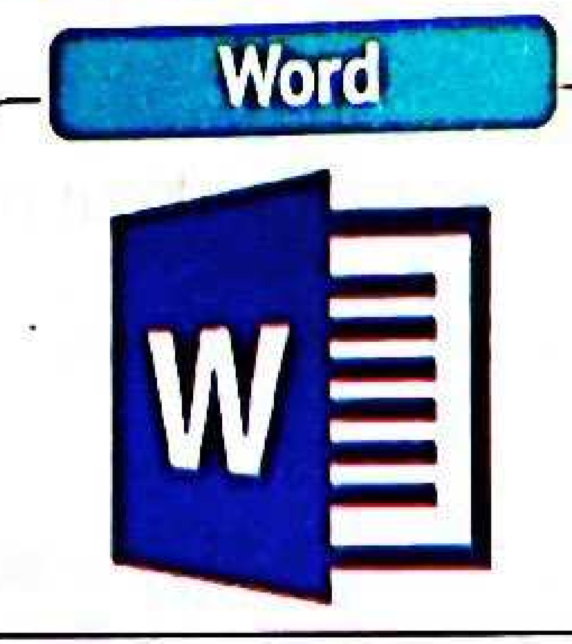
» When presenting information, think about the digital tools you will need.

» **For example, you have been asked to create a digital poster or billboard.**

» You will need to use software, such as Microsoft 365.



Microsoft 365 includes different options, such as

PowerPoint	Word	Publisher©
		

To access Microsoft 365's bundle,

1. You will need to have a digital device that supports the software.
2. You will have to update your computer to handle this software.

» للوصول إلى حُزمة Microsoft 365:

- ستحتاج إلى جهاز رقمي يتحمل البرنامج.
- عليك التأكد من أن جهاز الكمبيوتر الخاص بك مُحدَّث؛ ليتحمل البرنامج الذي يتم تنزيله.

Digital concepts to consider

المفاهيم الرقمية التي يجب أخذها في الاعتبار

» **When creating your poster or billboard, think about the following digital concepts:**

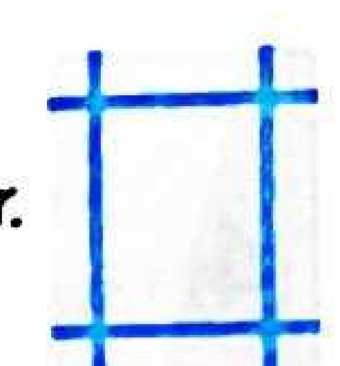
1 Margins

A margin is the space left around the edges of your poster or billboard.

الهامش: هو مقدار المساحة بين أطراف الملصق أو اللوحة الإعلانية.

1. It's important not to crowd the edge of a poster or billboard.

   If you include content too close to the edge, it will appear cramped - not be visually appealing - overwhelm the viewer.



2. A **25 mm** margin will help you design a good poster.

1 من المهم ترك هذه المساحة فارغة. إذا أضفت محتوى قريبًا جدًا من الأطراف، فسيبدو الملصق أو اللوحة الإعلانية مكتظًا، ولا يعتبر ذلك جذابًا من الناحية البصرية، وسيجعل المشاهد يشعر وكأنه مزدحم بالمعلومات.

2 سيساعدك وجود هامش ثابت، مثل ٢٥ ملم، في إنشاء ملصق مُصمَّم جيدًا.

2 Font size and Type

1. Always be sure to choose a font size that is easy to read.

If you choose a small font size,	→	your audience will have to strain to read the information.
If you choose a too big font size,	→	you'll have to limit the amount of information.

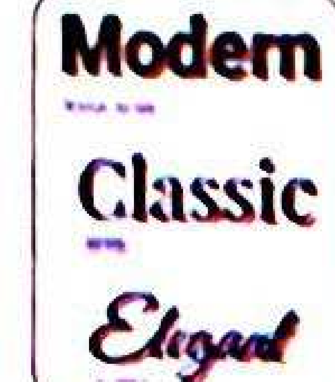
2. Sometimes, simple fonts is better.

   A complicated or decorative font is distracting and hard to read.

1 تأكد دائمًا من اختيار حجم خط تسهل قراءته.

- إذا اخترت حجم خط صغيرًا جدًا، فسيضطر جمهورك إلى بذل جهد كبير لمحاولة قراءة المعلومات.
- إذا اخترت حجم خط كبيرًا جدًا، فستضطر إلى اختصار المعلومات التي تشاركها.

2 في بعض الأحيان، البساطة هي الخيار الأفضل؛ إذ إن الخط المعقد يشتت الانتباه وتصعب قراءته.



3 Colors



1. Choose colors that get your message across (not more than **three** colors).
2. Choose color combinations that match.
3. Use bold colors for information you want to emphasize.
4. Take into consideration the color of the background when choosing the font color.

1 اختر الألوان التي تساعدك على إيصال رسالتك. (من الأفضل عدم استخدام أكثر من ثلاثة ألوان)
2 اختر مجموعات الألوان التي تتطابق.
3 استخدم الألوان الغامقة للمعلومات التي تريد التأكيد عليها.
4 أخذ لون الخلفية في الاعتبار عند اختيار لون الخط.

4 Images



» Use clear, good-quality, and appropriate images to the content you are sharing.

« استخدم صورًا واضحة وذات جودة عالية وملائمة للمحتوى الذي تشاركه.

How to take a good photo:

1. Focus on the **subject** of your photo.
2. Pay attention to the **background** behind the subject.
3. Be sure to have enough **light** to see your subject.





1 احرص على تركيز الكاميرا على عنصر صورتك الأساسي.
2 انتبه إلى الخلفية وراء عنصر صورتك الأساسي.
3 احرص على توفر إضاءة كافية لرؤية محتوى صورتك.



1 Choose the correct answer:

1. Microsoft 365 package contains .... program.
   a. MS Word b. Paint c. Google Chrome
2. The small number of colors used inside the poster makes it ....
   a. difficult to understand b. striking c. lack good design
3. The amount of empty space between the edges of the poster is called ....
   a. fonts b. margin c. image options
4. You can add an image within PowerPoint by choosing ....
   a. Slide show b. Transitions c. Insert
5. Make sure to choose a font size that is .... when designing a poster or digital billboard.
   a. very small b. easy to read c. very large
6. To design for a digital poster or billboard, you will need ....
   a. a computer b. GPS c. TV
7. If you use .... font size, you will have to limit the amount of information.
   a. small b. too big c. suitable
8. Sometimes, ... fonts are better.
   a. decorative b. simple c. complicated
9. .... includes different options to choose from, such as PowerPoint, Word, and Publisher.
   a. Socializing b. Microsoft 365 c. Google

10. If you add content very close to the edges, it will look like the poster or billboard is ....
    a. easy to read   b. appealing   c. not appealing
11. Use .... images to the content you are sharing in the poster.
    a. clear   b. low-quality   c. inappropriate
12. Use .... for information you want to emphasize.
    a. big font size   b. bold colors   c. decorative fonts

2 Put (✓) or (✗):

1. Microsoft 365 includes Microsoft Word, PowerPoint and Publisher. (   )
2. To access Microsoft 365's bundle, you will need to have an updated digital device. (   )
3. It is important to crowd the edges of your billboard. (   )
4. Having a fixed margin of 25 mm helps you create a well-designed poster. (   )
5. While creating a poster; it is preferable to choose a large font. (   )
6. If you choose big font size, your audience will have to strain to read the information. (   )
7. We don't need images and colors to design a poster or digital billboard. (   )
8. More decorative fonts in your poster are not preferable when making it. (   )
9. Don't use more than three colors when making your billboard. (   )
10. It is not necessary to take in your consideration the color of the background when choosing the font color. (   )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Microsoft 365	a. We must leave it empty and not crowded.
2 Margins	b. Simple is better than complicated and decorative.
3 Colors	c. includes different options, such as Word and Publisher.
4 Fonts	d. Must be not more than three.

1 ....   2 ....   3 ....   4 ....

4 Circle the words that may help you ceate a good billboard:

1. Small fonts – Too large fonts – Decorative fonts – Simple fonts
2. Leaving margins empty – Using ten colors – Using three colors
3. Using clear images – Using low resolution images – Using inappropriate images

5 Create your digital poster to explain how to conserve water:



Digital Applications

Evaluating Sources

» Humans can have a positive or negative impact on the plants and animals.

» This is your chance to be an explorer!

» The first thing an explorer does is to research the topic.



تقييم المعلومات:

» يمكن للإنسان أن يؤثر إيجابيًا أو سلبيًا على النباتات والحيوانات في محيطه.

» هذه فرصتك لتكون مستكشفًا!

» أول ما يفعله المستكشف هو البحث حول الموضوع.

» **You need to use various sources when searching, and these include:**

» تحتاج إلى استخدام مصادر متعددة عندما تبحث، وهذه تتضمن:

1 **Print** المطبوعات	Books, articles, newspapers, encyclopedias كتب، مقالات، صحف، موسوعات
2 **Internet** الإنترنت	A search engine, specialized websites, E-learning sites, EKB, and similar authoritative online sources محرك بحث، مواقع إلكترونية متخصصة، مواقع التعلُّم الرقمي، بنك المعرفة المصري ومصادر موثوقة شبيهة به عبر الإنترنت.
3 **Interviews** المقابلات	With people who have experienced, are affected by, or studied the topic مع أشخاص اختبروا الموضوع المطروح، أو تأثروا به، أو درسوه



Ways to Evaluate a Source

» **There are many ways to evaluate the source of information, including:**

- Is the author a respected person or organization?
- How current is the information?
- Does the source state opinions or facts?
- Does the source provide evidence and cite other sources of information?
- Is the information presented with a bias or is it unbiased?

» **You can ask your teacher or a member of your family for help.**

» هناك طرق متعددة لتقييم مصدر ما، وهذه تتضمن:

- هل المؤلف شخص أو مؤسسة محترمة؟ • ما مدى حداثة المعلومات؟ • هل يقدم المصدر آراء أو حقائق؟
- هل يقدم المصدر أدلة ويذكر مصادر معلومات أخرى يمكنك الرجوع إليها؟
- هل المعلومات معروضة بتحيُّز أو من دون تحيُّز؟

» يمكنك الاستعانة بمعلمك أو أحد أفراد أسرتك.



Trusted Source مصدر موثوق	Questionable Source مصدر مشكوك به	Untrusted Source مصدر غير موثوق
Information comes from a reliable person or organization that cites sources and states current facts. تصدر المعلومات من شخص (أو مؤسسة) موثوق منه، يذكر المصادر التي استند إليها ويعطي حقائق حديثة.	The information comes from a person or organization that offers some sources of the information but sometimes states their opinion intermixed with facts. تصدر المعلومات من شخص (أو مؤسسة) يذكر بعض المصادر التي استند إليها، لكنه أحيانًا يخلط رأيه بالحقائق.	The information comes from a person or organization that does not have sources to back up what they are saying and uses mostly opinions with little facts. تصدر المعلومات من شخص (أو مؤسسة) لا يدعم ما يشاركه بالمصادر، ويستخدم الآراء أكثر من الحقائق.

Using Microsoft Excel



- To record the data you collected, you'll need Microsoft Excel, which is the most common program for recording information.

Microsoft Excel allows you to:

1. Create a spreadsheet with as many columns and rows as you need.
2. Present numbers as the program can add up numbers automatically.
3. Collect your information and ideas in an excellent way.

لتسجيل البيانات التي جمعتها، ستحتاج إلى أحد البرامج الأكثر استخدامًا لجمع المعلومات، وهو برنامج إكسيل.

يسمح لك هذا البرنامج بـ:

- إنشاء جدول بيانات يحوي أعمدة وصفوفًا بقدر ما تحتاج. – تقديم الأرقام؛ لأنه قادر على جمعها آليًا.
- جمع المعلومات وجمع أفكارك بطريقة ممتازة.

Using Microsoft Word



Microsoft Word allows you to:

- Write out what you want, and present your ideas in a variety of ways.
  1. You can change the design.
  2. You can add photos.
  3. You can add links to your report for websites or information online.

يسمح لك هذا البرنامج بـ:

- كتابة ما تريده وتقديم أفكارك بطرق متنوعة.
  - يمكنك تغيير التصميم. – إضافة الصور.
  - ربط تقريرك بمواقع إلكترونية أو معلومات على الإنترنت.





1 Choose the correct answer:

1. Books, articles, and newspapers are examples of ....
   a. prints b. Word c. the internet
2. .... is/are a reliable source of information on the internet.
   a. Publications b. EKB c. Interviews
3. When you research, you need digital online sources, such as ....
   a. interviews b. websites c. printed books
4. .... information comes from a reliable person and states current facts.
   a. Untrusted b. Questionable c. Trusted
5. .... information states opinions with little facts.
   a. Untrusted b. Questionable c. Trusted
6. Downloading MS Word from Microsoft website is ....
   a. untrusted b. unsafe c. trusted
7. .... program is used for writing your CV.
   a. Word b. Excel c. Photoshop
8. .... program is a perfect way to record data in rows and columns.
   a. Word b. Excel c. Photoshop

2 Put (✓) or (✗):

1. Humans may have a positive or negative effect on plants and animals in their environment. (   )
2. Information sources should not be evaluated when collected. (   )
3. Spreadsheet software is an excellent way to gather information and gather your ideas. (   )
4. The explorer uses the internet or publications to research a topic. (   )
5. You can insert images into Excel files. (   )
6. You can change the font size and type on MS Word. (   )



Algorithms

- Every time you type keywords you are looking for into a search browser, the search browser uses **algorithms** to provide results.
- **Algorithms** decide which results are most relevant to your topic.
- Computers and applications need **algorithms** to run.

- في كل مرة تُدخِل الكلمات المفتاحية التي تبحث عنها في محرك البحث، يَستخدم المحرك خوارزميات لإعطائك النتائج.
- تُساعد الخوارزميات في تحديد النتائج الأكثر صلة بموضوع بحثك.
- تَستخدم أجهزة الكمبيوتر وتطبيقاته الخوارزميات لأداء مهام محددة.

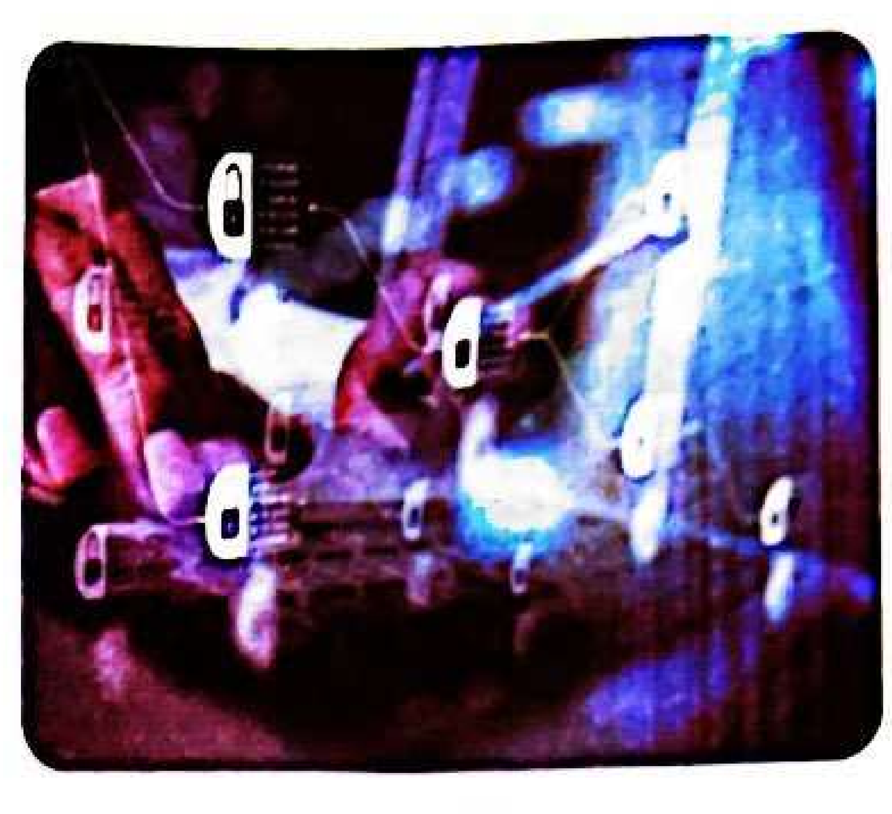
Example:

- If you use a search engine to find **directions to a place**, the engine will use the database of names and information in digital maps to provide you with the results.

- إذا كنت تستخدم محرك بحث للعثور على إرشادات توصِّلك إلى مكان ما.
- سيَستخدم المحرك قاعدة بيانات الأسماء والمعلومات الموجودة في الخرائط الرقمية لتزويدك بالنتائج.



Algorithm:



- It is a series of steps that explain how to perform a task.
- When you prepare a meal, you follow a recipe, which is a kind of algorithm!
- The recipe includes a set of instructions that will lead you to successfully prepare this meal.

- تُمثل الخوارزمية سلسلة من الخطوات التي تشرح كيفية أداء مهمة ما.
- عندما تُحضِّر وجبة طعام تتَّبع وصفة، وتُعد الوصفة نوعًا من أنواع الخوارزميات!
- تتضمَّن الوصفة مجموعة من الإرشادات التي ستقودك إلى إعداد تلك الوجبة بنجاح.

Examples:

1 How to prepare a falafel sandwich:

1. Gather the ingredients you will need to make your falafel sandwich.
2. Place pita bread on the plate.
3. Open the pita bread.
4. Place your desired amount of falafel balls into the bread.
5. Grind the falafel balls after placing them in the bread.
6. Add tahini and salad.

طريقة لتحضير سلدوتش فلافل:



1. حضِّر المكوِّنات التي ستحتاج إليها لإعداد سندوتش الفلافل.
2. ضع الخبز البلدي على الطبق.
3. افتح رغيف الخبز البلدي.
4. ضع الكمية التي تريدها من أقراص الفلافل في الخبز.
5. اسحق أقراص الفلافل بعد وضعها في الخبز.
6. أضف الطحينة والسلطة.



Cleaning your room:

فتنظيف غرفتك مثلًا نوع من الخوارزميات.





Clean the dust.
نظف الغبار.

Wipe flat surfaces.
امسح الأسطح المستوية.




Clean the floor.
نظف الأرضية.



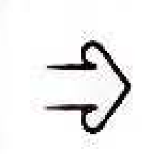
When you give instructions:

كذلك عندما تعطي الإرشادات، فإنك تستخدم نوعًا من الخوارزميات.





Go straight ahead.
اتجه إلى الأمام مباشرة.



Turn right.
انعطف يمينًا.

Turn left.
انعطف يسارًا.

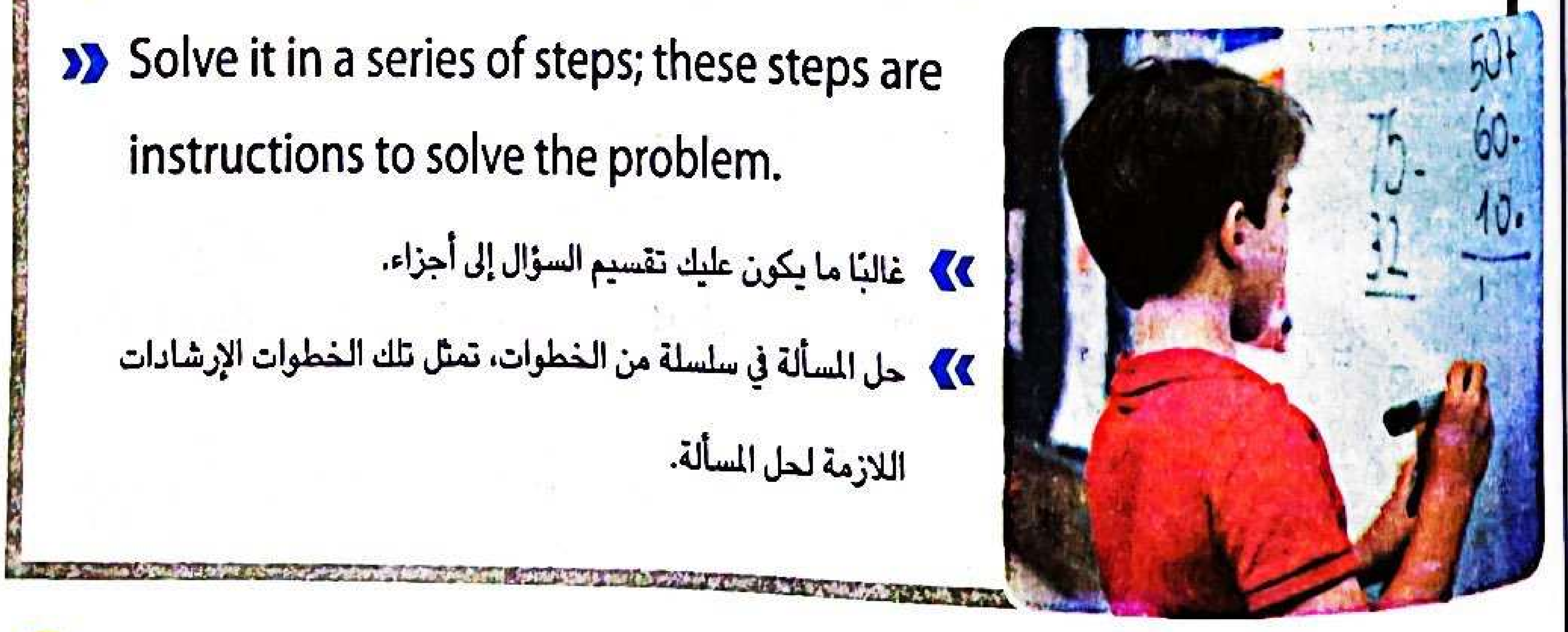


When you solve a word problem in math class:

عندما تحل مسألة لفظية في مادة الرياضيات في المدرسة مثلًا:

- You often have to break the question down.
- Solve it in a series of steps; these steps are instructions to solve the problem.

- غالبًا ما يكون عليك تقسيم السؤال إلى أجزاء.
- حل المسألة في سلسلة من الخطوات، تمثل تلك الخطوات الإرشادات اللازمة لحل المسألة.





1 Choose the correct answer:

1. .... are a set of arranged steps to solve a problem.
   a. Search engine b. Algorithm c. Keywords
2. You can type .... into the search engine to search for information online.
   a. full sentences b. algorithms c. keywords
3. When you prepare a meal, you follow a/an ....
   a. recipe b. algorithm c. instruction
4. An algorithm is a ....
   a. series of steps b. software c. application
5. Which of the following is considered an algorithm?
   a. Seeing a movie b. Solving a math problem
   c. Eating breakfast

2 Complete the following sentences using the words between the brackets

(Algorithm - research subject - Computers - keywords – GPS - recipe)

1. If you use a search browser to find directions to a certain place, it uses .... data to provide you with results.
2. When you prepare a meal, you follow a ...., that is a kind of algorithm.
3. .... is a series of steps that explain how to perform a task.
4. .... and applications do algorithms to perform functions.
5. Algorithms help determine which results are most relevant to the ....
6. Every time you enter .... that you search in a search browser, it uses certain algorithms to give you the results.

3 Put (✓) or (X):

1. Every time you enter the keywords you are looking for into a search browser, the search browser uses algorithms to give you the results. ( )
2. The steps of preparing a falafel sandwich are not considered an algorithm. ( )
3. To give you results, many of the things you do in your daily life, like giving directional signals cannot be described by algorithms. ( )
4. Solving a problem in mathematics is considered a type of algorithm. ( )
5. Algorithms help us to determine which results are most relevant to our keywords. ( )

4 Arrange the following steps that explain how to prepare a falafel sandwich:

a. (............) Grind the falafel balls after placing them in the pita bread.
b. (............) Prepare the ingredients you will need.
c. (............) Add tahini and salad.
d. (............) Open the pita bread.
e. (............) Put the bread on the plate.

5 Arrange the following steps that explain how to clean your room:

a. (............) Wipe flat surfaces.
b. (............) Clean the floor.
c. (............) Clean the dust.



The Principles of Coding



» Online animations, games, and movies are created using **coding**.

« لقد ابتُكرت الرسوم المتحركة والأفلام وألعاب الفيديو عبر الإنترنت باستخدام البرمجة.

Coding

It is writing multiple algorithms to create a complete program.

البرمجة هي عبارة عن كتابة خوارزميات متعددة لإنشاء برنامج كامل.

» You can create animations, movies, and video games using coding.

» Computers, like humans, use different languages.

» There are many websites, such as Code.org, that can help you learn to code using different programming languages.

« يمكنك ابتكار الرسوم المتحركة والأفلام وألعاب الفيديو وإنشاؤها باستخدام الشفرة البرمجية.

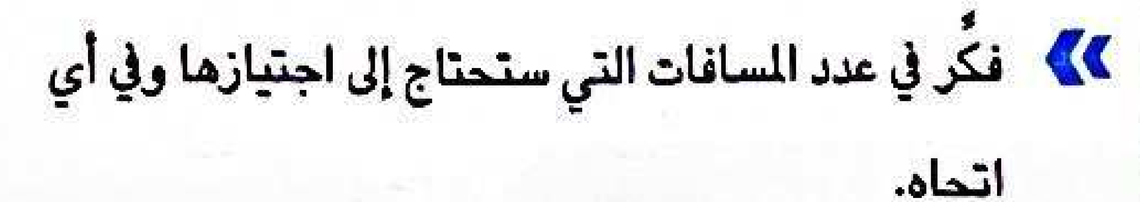
« أجهزة الكمبيوتر كالبشر تَستخدم لغات مختلفة.

« هناك العديد من المواقع الإلكترونية، مثل Code.org، يمكن أن تساعدك على تعلُّم التشفير باستخدام لغات البرمجة المختلفة.

» Have you ever created a maze and provided instructions to solve it?

» Instructions in a maze are like instructions in computer programs.

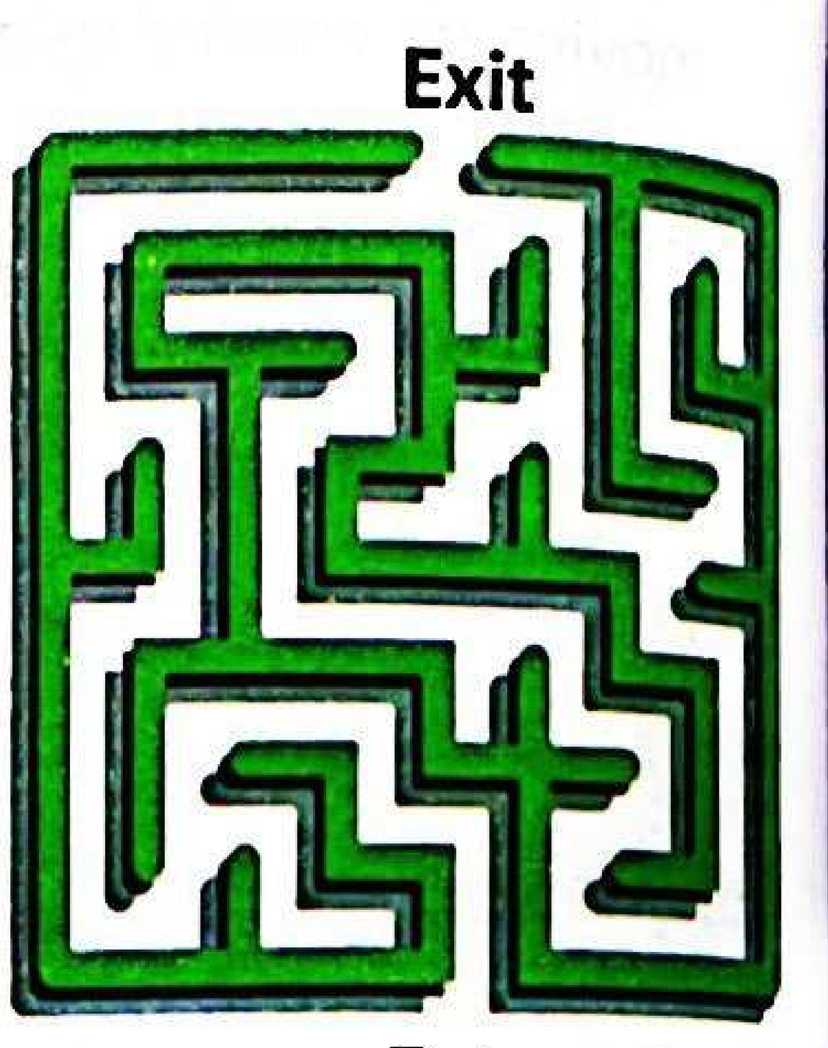
« هل سبق لك أن ابتكرت متاهة، ثم قدّمت إرشادات حول كيفية حلها؟ إن إرشاداتك مماثلة للإرشادات في برامج الكمبيوتر.



Example

» Think of steps you can use to go through the maze, **the steps will include** the number of spaces to take and in which direction.

« فكّر في عدد المسافات التي ستحتاج إلى اجتيازها وفي أي اتجاه.



Follow these steps to get through the maze.

» You can create mazes on the site **Code.org**.

« يمكنك ابتكار متاهات على موقع Code.org.

↑ 2 up → ← 1 to the left → ↑ 1 up → ← 2 to the left → ↓ 2 to the bottom

↓

← 1 to the left ← ↑ 3 up ← → 1 to the right ← ↑ 2 up ← ← 1 to the left

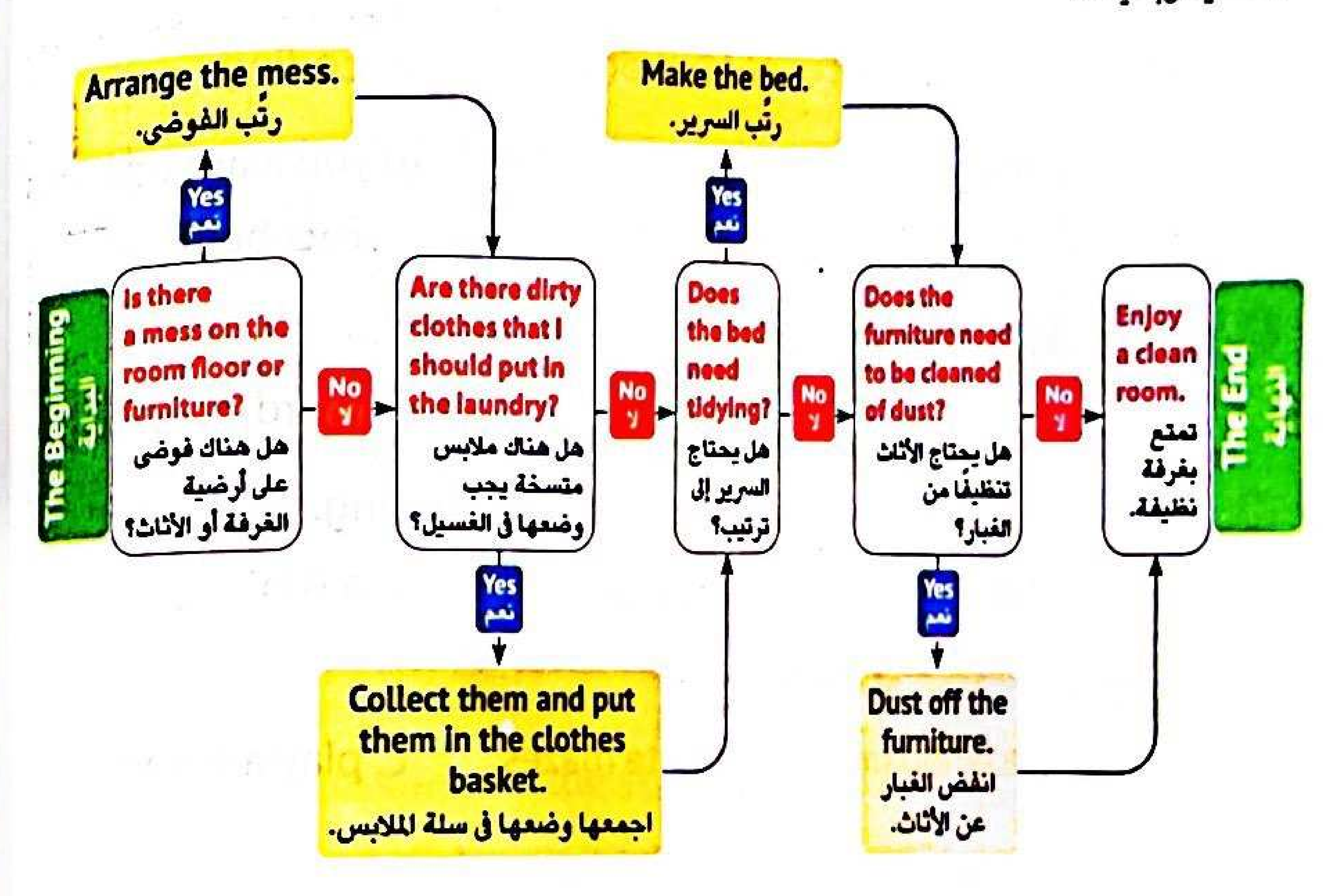
↓

↑ 2 up → → 3 to the right → ↑ 1 up

Let's Get Deeper لنتعمق في الفهم

» Note this flowchart, it is similar to programming as it presents a problem in simple, logical steps.

« لاحظ هذا المخطط الانسيابي flowchart، إنه يشبه عملية البرمجة فى كونه يعرض مشكلة ما على هيئة خطوات منطقية وبسيطة.





1 Choose the correct answer:

1. .... is writing multiple algorithms to create a complete program.
   a. Windows b. MS Word c. Coding
2. There are many websites like .... that help you learn coding.
   a. EKB.com b. Code.org c. Facebook.com
3. Online video games are created using ....
   a. Excel b. coding c. Word
4. The .... that you see is/are built using coding.
   a. animations b. movies c. a & b
5. You can .... at Code.org.
   a. design a billboard b. create mazes c. play a game

2 Put (✓) or (✗):

1. You can use coding to identify the paths needed to reach your goal. ( )
2. You can create mazes on Code.org. ( )
3. Computers, like humans, use different languages. ( )
4. There are many websites, such as Facebook.com, that can help you learn different programming languages. ( )
5. The cartoons and movies you watch online are designed by Excel. ( )

Lesson 7

Graphic Art



Microsoft Paint

It is a popular graphics editor that will help you create your own drawings or edit images on computers.

برنامج الرسام هو مُحرِّر رسومات شائع يساعدك على إنشاء رسوماتك الخاصة أو تحرير الصور على أجهزة الكمبيوتر.



To open the file:

- Click on **Accessories** in the **Start-up menu**.
- Find **Paint** and click on it.



In Paint:

- The top of the screen is like Word and Excel and it includes:

1 **Menu bar** شريط القوائم	Includes options for opening, saving files and editing features (to edit colors and images). يتضمن الخيارات الخاصة بفتح الملفات وحفظها وإمكانية تحرير الألوان والصور.
2 **Toolbox** مربع الأدوات	Includes tools that you need to make your drawing. يتضمن كل الأدوات التي ستحتاج إليها في تصميم رسمك.



- **These are some of the tools in the Toolbox:**

Tool		Tool	
Oval shape الشكل البيضاوي	◯	Fill with color الملء باللون	
Zoom التكبير		Sprayer or air brush البخاخ أو الفرشاة الهوائية	
Rectangle المستطيل		Selection التحديد	
Pencil and brush القلم الرصاص والفرشاة		(T) text النص	T
Straight line and curved line الخط المستقيم والخط المنحني		Eraser الممحاة	

You can edit photos in Paint:

» You can fill colors using the color options.	يمكنك تعبئة الألوان باستخدام الخيارات المخصصة لهذه المهمة.
» You can select areas of the photo to use in your drawing by cropping.	يمكنك تحديد أجزاء معينة من صورة؛ لكي تستخدمها في رسمك من خلال القص (Cropping).
» **To add text to a photo,** 1 Click on the bottom right corner of the photo. 2 Drag your mouse to the right until you have enough white-space to write your text. 3 Cut and paste the text from the area and onto the photo.	**لإضافة نص إلى صورة:** • اضغط على طرفها السفلي الأيمن. • اسحب مؤشر الفأرة إلى اليمين حتى تتكوّن مساحة بيضاء كافية لكتابة النص. • قص النص من المساحة البيضاء وألصقه على الصورة.
» You can change the size or direction of the photo.	يمكنك تغيير حجم الصورة أو اتجاهها.

» Microsoft Word also offers graphic tools to create a graphic.

» Click on the **Insert menu bar** to see the different options, such as:

Shape الأشكال	Icons الأيقونات	3D models النماذج ثلاثية الأبعاد	Smart Art الرسوم التخطيطية





1 Choose the correct answer:

1. .... is one of the popular programs that are used for editing pictures.
   a. Microsoft Word b. Microsoft Excel c. Microsoft Paint
2. The top of the screen of Microsoft Paint is like ....
   a. MS Word b. Excel spreadsheets c. a & b
3. The .... includes options for opening, saving files, and editing features.
   a. Toolbox b. Menu bar c. Edit bar
4. You can click on the .... to see the different options, such as icons and shape.
   a. Insert menu bar b. Menu bar c. Edit bar
5. The .... list is used to open the Paint program.
   a. Insert b. Start-up menu c. File
6. MS Word contains many options, including ....
   a. Shape b. 3D models c. a & b
7. You can select and cut certain parts of the image in Paint using the ....
   a. crop tool b. color fill tool c. brush tool

2 Put (✓) or (✗):

1. To open the Paint program, click on the Accessories folder, then Start-up menu. (   )
2. Paint program allows you to write some texts on the program page. (   )

3. The brush tool is used in Paint program to enlarge parts of the image. ( )
4. The upper part of the Paint program is similar to Word and Excel. ( )
5. One of the disadvantages of Paint is that it does not include a toolbox. ( )
6. Paint toolbox provides all the tools you need in your drawing. ( )
7. In Paint, you cannot add text to an image. ( )
8. The Insert menu bar includes all the tools that you will need to make your drawing. ( )

3 Choose from column (A) what suits it in column (B):

A

Column (A)	Column (B)
1 Menu bar	a. includes all the tools that you will need to make your drawing.
2 Toolbox	b. is used to to see the different options, such as Icons and Shape.
3 Insert menu bar	c. includes options for opening, saving files, and editing features.

1 .... 2 .... 3 ....

B

Column (A)	Column (B)
1 MS Paint	a. is used to write some texts.
2 MS Word	b. is used to create spreadsheets.
3 MS Excel	c. is a popular graphics editor.

1 .... 2 .... 3 ....

C

Column (A)	Column (B)
1 T	a. To write with a pencil.
2	b. To view the image or figure in large size.
3	c. Spray icon with coloring brush.
4	d. To write a text.
5	e. To fill the color into the shape.

1 .... 2 .... 3 .... 4 .... 5 ....



Creating a PowerPoint Presentation

» You can use **Microsoft PowerPoint** to create presentations that include **text**, **animations**, **images**, and **special effects**.



To create a presentation using PowerPoint:

1. Click on the PowerPoint icon on your computer.
2. Then, click on Blank Presentation.
3. At the top of the screen, you will see a menu bar with multiple tabs. Each tab contains a set of tools that you can use to create your presentation.
4. You will see a slide that will instruct you to click and type a title.
5. Use this first slide to name the title and subtitle of your presentation.
6. In the subtitle box, you can also include your name, then type the information in the text boxes.

لإنشاء عرض تقديمي باستخدام (Microsoft PowerPoint®):

1. اضغط على أيقونة برنامج العروض التقديمية على جهاز الكمبيوتر.
2. اضغط على عرض تقديمي فارغ (Blank Presentation).
3. في الجزء العلوي من شاشة البرنامج الافتتاحي سوف يظهر شريط القوائم الذي يتضمن علامات تبويب (Tabs) متعددة. (تتضمن كل علامة تبويب مجموعة من الأدوات، يمكنك استخدامها لإنشاء عرضك التقديمي).
4. ستلاحظ وجود شريحة (Slide) ترشدك إلى النقر لكتابة عنوان.
5. استخدم الشريحة الأولى لإضافة عنوان وعنوان فرعي لعرضك التقديمي.
6. يمكنك أيضًا إضافة اسمك في الجزء المخصص للعنوان الفرعي، ثم كتابة المعلومات في مربعات النص.

Slide

A slide is a presentation page that contains text and images.
(On the left side of the screen, you will see a thumbnail, or preview image, of each slide you're creating).

الشريحة هي صفحة عرض تحوي نصوصك. (ستلاحظ وجود صورة مصغرة لكل شريحة تنشئها، وهدفها معاينة الشريحة).

» Click "New Slide" to add another slide to your presentation.
» To choose the layout of each slide, click the "Layout icon" on the "Home" menu.

« اضغط على شريحة جديدة (New Slide) لإضافة شريحة أخرى إلى عرضك التقديمي.
« ويمكنك اختيار تصميم كل شريحة من خلال الضغط على علامة تبويب تصميم (Layout) في القائمة الرئيسية.

1 Adding text: إضافة نص

» To add **text** to your slide, click on the text box on the screen.
» Choose the font style and size you'd like to use and type your text.

« لإضافة نص إلى شرائح عرضك التقديمي، اضغط على مربع النص على الشاشة الافتتاحية، ثم اختر نوع الخط الذي تود استخدامه وحجمه، وابدأ بكتابة النص.

2 Adding visuals and effects: إضافة مؤثرات بصرية

» PowerPoint includes numerous visual tools to help make your presentation stand out.

« يتضمن برنامج العروض التقديمية العديد من البصريات التي تساهم في إبراز عرضك التقديمي.

Design تصميم	» Includes design options for each slide, including background colors. يتضمن الخيارات الخاصة بفتح الملفات وحفظها وإمكانية تحرير الألوان والصور.
Draw رسم	» Includes drawing tools. تتضمن أدوات الرسم.
Transitions انتقالات	» Includes visual effects to use between each slide. تتضمن مؤثرات بصرية تستخدمها عند الانتقال من شريحة إلى أخرى.
Animations مؤثرات الحركة	» Includes animated effects for each slide. تتضمن أنواع المؤثرات الحركية التي تود استخدامها مع محتوى كل شريحة.
Slide Show عرض الشرائح	» Makes you decide how you'd like to present and time each slide. » You can view the presentation by clicking **"View Show"** icon or **F5 key** on the keyboard. تمكنك من تحديد الطريقة التي تود تقديم عرضك بها، وتوقيتًا لكل شريحة. كما يمكنك مشاهدة العرض بالضغط على أيقونة العرض أو بالضغط على مفتاح F5 في لوحة المفاتيح.



3 Inserting pictures: إدراج صورة

- To insert pictures, click on "Insert", then "Pictures".
- Choose the options you need from the Menu bar.
- Once you choose your image, drag it with your mouse into the slide.
- You can also insert a picture you created using another program into your presentation.

لإدراج صور في عرضك التقديمي:

- اضغط على علامة تبويب إدراج، ثم خيار صور.
- اختر ما تحتاج إليه من شريط القوائم.
- عند اختيارك الصورة التي تود إدراجها، اسحبها بمؤشر الفأرة إلى داخل الشريحة.
- يمكنك أيضًا إدراج صورة أنشأتها من خلال برنامج آخر داخل العرض التقديمي الخاص بك.

Keep the following features in mind when creating your presentation:

1. Avoid wordy paragraphs or sentences.
2. Be sure to use a font size and style that is readable.
3. Use relevant images instead of text whenever possible.

عند تصميم عرضك التقديمي، احرص على مراعاة ما يلي:

- تجنَّب الفقرات أو الجمل الطويلة.
- تحقَّق من أن يكون نوع الخط وحجمه مقروءين.
- استخدم صور ذات صلة بالموضوع بدلًا من النصوص كلما أمكن.



- Practice your presentation in advance. Be engaging and encourage audience participation.

تدرَّب على عرضك التقديمي مسبقًا. قدِّم عرضًا تفاعليًا وشجِّع الحاضرين على المشاركة.



1 Choose the correct answer:

1. To present your ideas that you have come up with in a way that is characterized by the effects of sound and movement, you need the .... program.
   a. MS Word b. Paint c. PowerPoint
2. .... is a presentation page that contains your text and images.
   a. Billboard b. Slide c. Sheet
3. PowerPoint is used to design presentations with ....
   a. distinctive text b. animations and images
   c. a & b
4. .... is located at the top of the opening screen of the program.
   a. Blank Presentation b. Slide c. Image
5. To add images in the presentation, press the .... tab.
   a. Design b. Insert c. Slide Show
6. You can run your PowerPoint presentation through .... key from the keyboard.
   a. F3 b. F4 c. F5
7. One of the elements of a good design for your project is ....
   a. the consistency of the font color with the background color
   b. inserting attractive images even if they are irrelevant to your project
   c. to avoid leaving empty spaces (margins) inside the design
8. To prepare a good presentation, you have to ....
   a. link the images in the presentation to the topic
   b. add untrusted opinions and information to the presentation
   c. add too many fonts and colors to the presentation

2 Put (✓) or (✗):

1. It's preferable to use written texts instead of relevant images within your presentation. ( )
2. One of the things to consider when preparing a presentation is to avoid writing long paragraphs. ( )
3. PowerPoint is used to design presentations with texts only. ( )
4. When designing your presentation, avoid wordy paragraphs or sentences. ( )
5. You can specify the way you want to display the slides, and set a time for each slide in the PowerPoint presentation program. ( )
6. You can't insert images you created through another program into your presentation in PowerPoint program. ( )
7. On the left side of the the PowerPoint screen, you will see a preview of each slide you're creating. ( )
8. PowerPoint provides many design options for each slide, including background colors. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 W	a. It's used to design presentations that include text and animation effects.
2 X	b. It's a popular graphics editor.
3 P	c. It's used to create spreadsheets including rows and columns.
4	d. It's used to write reports and add some pictures.

1 .... 2 .... 3 .... 4 ....

Tests on Theme 4





Test 1

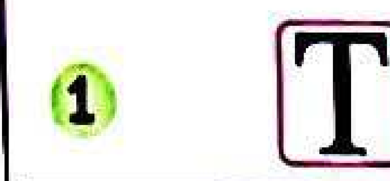
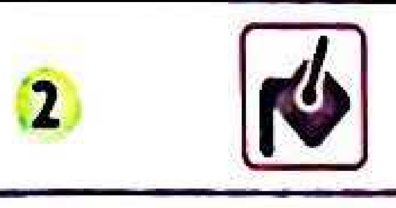
1 Choose the correct answer:

1. You can see many archaeological sites inside and outside Egypt while you are at home by ....
   a. augmented reality b. piracy c. digital footprint
2. To provide the proposed solutions to solve the problem of the computer speakers not working, you must first ....
   a. test the hypotheses b. prepare the hypotheses
   c. verify the success of the test
3. The amount of empty space between the edges of the poster is called ....
   a. fonts b. margin c. image options
4. .... is/are a reliable source of information on the internet.
   a. Publications b. EKB c. Interviews

2 Put (✓) or (✗):

1. Solving a problem in mathematics is considered a type of algorithm. ( )
2. You can use coding to identify the paths needed to reach your goal. ( )
3. The brush tool is used in Paint to enlarge parts of the image. ( )
4. One of the things to consider when preparing a presentation is to avoid writing long paragraphs. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)		Column (B)
1		a. To write with a pencil.
2		b. To view the image or figure in large size.
3		c. Spray icon with coloring brush.
4		d. To write a text.
5		e. To fill the color into the shape.

1 .... 2 .... 3 .... 4 .... 5 ....



1 Choose the correct answer:

1. When you prepare a meal, you follow a/an ....
   a. recipe b. algorithm c. instruction
2. There are many websites like .... help you learn coding.
   a. EKB.com b. Code.org c. Facebook.com
3. .... is one of the popular programs used in editing pictures.
   a. Microsoft Word b. Microsoft Excel c. Microsoft Paint
4. .... is a presentation page that contains your text and images.
   a. Billboard b. Slide c. Sheet

2 Put (✓) or (✗):

1. You can change the font size and type on Word. ( )
2. More decorative fonts in poster is not preferable in making your poster. ( )
3. It is important to break complex problems into small parts when solving them. ( )
4. Augmented reality technologies help in providing information to you interactively. ( )

3 Complete the following sentences using the words between the brackets:

(Algorithm - research subject - Computers - keywords – GPS - recipe)

1. If you use a search browser to find directions to a certain place, it uses .... data to provide you with the results.
2. When you prepare a meal, you follow a .... that is a kind of algorithm.
3. .... is a series of steps that explain how to perform a task.
4. .... and applications do algorithms to perform functions.
5. Algorithms help determine which results are most relevant to the ....
6. Every time you enter .... that you search in a search browser, it uses certain algorithms to give you the results.



1 Choose the correct answer:

1. Gautam Shah has worked as a/an .... in many countries.
   a. filmmaker b. anthropologist c. IT specialist
2. If your teacher asks you to solve a specific problem, you must .... the problem.
   a. leave b. break down c. prepare
3. The small number of colors used inside the poster makes it ....
   a. difficult to understand b. striking c. lack good design
4. Books, articles, and newspapers are examples of ....
   a. prints b. Word c. the internet

2 Put (✓) or (✗):

1. Algorithms help us determine which results are most relevant to our keywords. (   )
2. Computers, like humans, use different languages. (   )
3. The brush tool is used in Paint to enlarge parts of the image. (   )
4. One of the things to consider when preparing a presentation is to avoid writing long paragraphs. (   )

3 Rearrange the following steps:

a. (...........) Grind the falafel balls after placing them in the loaf.
b. (...........) Prepare the ingredients you will need.
c. (...........) Add tahini and salad.
d. (...........) Open a loaf of bread.
e. (...........) Put the bread on the plate.

Test 4

1 Choose the correct answer:

1. You can run your PowerPoint presentation through .... key from the keyboard.
   a. F3 b. F4 c. F5
2. You can click on .... to see the different options, such as Icons and Shape.
   a. Insert menu bar b. Menu bar c. Edit bar
3. .... is the process of writing multiple algorithms to create a complete program.
   a. Windows b. Word processing program c. Coding
4. You can type .... into a search engine to search for information online.
   a. full sentences b. algorithms c. keywords

2 Put (✓) or (✗):

1. You can change font size and type in Word. ( )
2. While creating a poster, it is preferable to choose a large font. ( )
3. Your success in solving the problem means you succeeded in testing your hypothesis. ( )
4. Internet of Elephants creates unique mobile games using augmented reality. ( )

3 Rearrange the following steps to organize a class trip:

a. (..........) Determine what everyone will need to bring with them.
b. (..........) Decide on a destination for the trip.
c. (..........) Determine when you will go and at what time.
d. (..........) Find out the price of the trip per student.
e. (..........) Determine how you and your class will get to the destination.

Test 5

1 Choose the correct answer:

1. The first step in problem solving is ....
   a. hypothesis testing b. the hypothesis c. hypothesis building
2. .... is (are) used to collect data needed to design interactive online games.
   a. GPS b. Animations c. Augmented reality
3. .... includes different options to choose from: PowerPoint, Word, and Publisher.
   a. Socializing b. Microsoft 365 c. Google
4. .... is the perfect way to record data in rows and columns.
   a. Word b. Excel c. Photoshop

2 Put (✓) or (✗):

1. The cartoons and movies you watch online are designed by Excel. ( )
2. The steps of preparing a falafel sandwich are not considered an algorithm. ( )
3. One of the disadvantages of Paint is that it does not include a toolbox. ( )
4. One of the things to consider when preparing a presentation is to avoid writing long paragraphs. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. Menu bar	a. includes all the tools that you will need to make your drawing.
2. Toolbox	b. is used see the different options, such as Icons and Shape.
3. Insert menu bar	c. includes options for opening, saving files and editing features.

1 ....  ....  ....

Final Revision

Question (1):

Put (✓) or (✗):

1. Augmented reality technologies help in providing information to you interactively. ( )
2. When making a guess to solve a problem, this guess is called the hypothesis test. ( )
3. Your success in solving a problem means you succeeded in testing your hypothesis. ( )
4. You can copy scientific content without the permission of the owner. ( )
5. You can write about your research without indicating the source from which you got the information. ( )
6. Every trace that a person leaves when using the internet is known as digital citizenship. ( )
7. Skype is an asynchronous communication medium. ( )
8. You can write the email of the person you're sending the message to in the "Subject" field. ( )
9. It is possible to find information about space science and history on the Mapmaker Interactive platform. ( )
10. Planning before conducting any digital research is not important. ( )
11. In the hypothesis-testing stage, a guess is made about how the problem occurred. ( )
12. It is important to break complex problems into small parts when solving them. ( )
13. Achieving digital citizenship entails a set of rights and duties. ( )
14. Information technology tools enable people of determination to communicate with teachers and view school subjects. ( )
15. You can communicate with an unknown person over the internet without consulting any of your family members. ( )
16. One of the applications of asynchronous communication is instant video chats and live TV programs. ( )
17. It is important to have good manners and etiquette when dealing with others online. ( )
18. Edmodo digital learning environment allows teachers and students to communicate and learn online. ( )
19. Mapmaker Interactive is one of the safest sites for research and data collection. ( )
20. Facebook, Wikis, and blogs are examples of the unreliable sources. ( )
21. Planning before conducting any digital research helps you access information in an easy way. ( )
22. Simultaneous communication is appropriate when it is between close family members. ( )
23. Asynchronous communication is appropriate when the information is important and requires rapid action. ( )
24. When testing your hypothesis, it is necessary not to do any test that puts you at risk. ( )
25. The National Geographic platform for children enables you to conduct an experiment in science interactively. ( )

Question (2):

Choose the correct answer:

1. You can see many archaeological sites inside and outside Egypt while you are at home by ....
   a. augmented reality **b.** piracy **c.** digital footprint
2. To provide the proposed solutions to solve the problem of the computer speakers not working, you must first ....
   a. test the hypotheses **b.** prepare the hypotheses
   c. verify the success of the test
3. You should be careful when solving problems that may pose a risk to you during the .... step.
   a. building hypotheses **b.** collecting data on hypotheses
   c. hypothesis testing

4. While turning on the computer, you found that it is not responding. You guessed that there was a malfunction in the operating switch, this guess is called ....
   a. hypothesis b. digital citizenship c. digital footprint
5. If soemone tracks your responses on different social networking sites, this is called ....
   a. digital footprint b. digital piracy c. assumptions
6. Ahmed wrote a research paper about tourism in Egypt, and he quoted a part of the research from the Egyptian Knowledge Bank platform, so he must ....
   a. refer to the publishers or authors in the research paper
   b. publish the research without referring to the publishers
   c. share the research of others to sell it without their permission
7. The .... application is used to conduct group video chats.
   a. Skype b. Egyptian Knowledge Bank (EKB)
   c. augmented reality
8. Among the services .... provides is knowing the date and schedule of exams.
   a. the website of the Ministry of Tourism and Antiquities
   b. the website of the Ministry of Health and Population
   c. the website of the Ministry of Education and Technical Education
9. You can write the title of your message via email in the field "...................".
   a. From b. Subject c. Attachments
10. From the reliable digital learning resources via the internet is ....
   a. WhatsApp b. Egyptian Knowledge Bank (EKB)
   c. Facebook
11. Which of the following situations is appropriate for simultaneous communication?
   a. Contacting the police to report an incident of theft.
   b. Calling your colleague to find out the date of the scheduled trip at the end of the year.
   c. Calling your colleague to talk to him about a topic you learned today at school.

12. .... is a form of simultaneous communication via the internet, which allows you to watch your friends or family in audio and video.
   a. Instant messaging b. Email c. Video chat
13. Simultaneous communication is appropriate ....
   a. between people who do not know each other
   b. between friends or family members
   c. when someone asks you a question that requires thinking
14. The last step for instant messaging is ....
   a. writing the message b. pressing the "Send" icon
   c. pressing the "Contact list" icon
15. When conducting a digital search, your outline must include ....
   a. an introduction to the research topic
   b. details far from the research topic
   c. unreliable information
16. You can send long text messages over the internet through ....
   a. Mapmaker Interactive b. email c. video chat
17. When the information is urgent, it is preferable to use .... communication.
   a. asynchronous b. synchronous c. paper letters
18. You can make video calls with your friends through a ....
   a. scanner b. mobile phone c. printer
19. It is essential that your research plan includes ....
   a. paragraphs providing information
   b. information of questionable authenticity c. digital blogs
20. Which of the following situations demonstrates commitment to responsibilities while using the internet?
   a. Pirating a video your friend uploaded on video-sharing platforms.
   b. Evaluating the content and ensuring that the information is safe to display.
   c. Spying on others and copying their digital footprint.
21. A friend of yours wants to learn about the history of ancient Egypt, which platform would you recommend?
   a. Egyptian Knowledge Bank
   b. Video-sharing platforms c. Social media platforms

22. Which of the following online learning resources would you recommend to your friend who wants to conduct an experiment to find out the boiling point of water?
    - a. Mapmaker Interactive
    - b. Vlaby platform
    - c. Egyptian Knowledge Bank
23. Which of the following sites can your teacher use to deliver lessons online?
    - a. EKB platform
    - b. Edmodo platform
    - c. WhatsApp application
24. Microsoft 365 package contains the .... program.
    - a. Word
    - b. Paint
    - c. Google Chrome
25. To present your ideas in a way that is characterized by the effects of sound and movement, you need the .... program.
    - a. Word processor software
    - b. Paint
    - c. PowerPoint
26. The small number of colors used inside the poster makes it ....
    - a. difficult to understand
    - b. striking
    - c. lack good design
27. To prepare a good presentation, you have to ....
    - a. link the images in the presentation to the topic
    - b. add untrusted opinions and information to the presentation
    - c. add too many fonts and colors to the presentation
28. The amount of empty space between the edges of the announcing board is called ....
    - a. fonts
    - b. margin
    - c. image options
29. You can add an image within PowerPoint by choosing ....
    - a. Slide Show
    - b. Transitions
    - c. Insert
30. You can run your PowerPoint presentation through the .... key on the keyboard.
    - a. F3
    - b. F4
    - c. F5
31. One of the elements of good design for your project is ....
    - a. the consistency of the font color with the background color
    - b. inserting attractive images even if they are irrelevant to your project
    - c. avoiding leaving empty spaces (margins) inside the design

Question (3):

A Complete the following sentences using the words between the brackets:

(Egyptian Knowledge Bank - Digital footprint - chat rooms – simultaneous communication - Digital citizenship- PowerPoint)

1. .... allows Egyptian citizens to access learning materials.
2. The process of communicating or exchanging information among people at the same time is called ....
3. Through ...., you can write a comment for the people sharing the room with you.
4. .... enables you to use digital technology in an ethical, responsible, and safe manner.
5. .... enables you to form an image of a person through his responses and actions on social media.
6. .... allows you to present your results for others through many motion effects.

B Complete the following sentences using the words between the brackets:

(unreliable sources - asynchronous communication - Mapmaker Interactive - microphone and camera – piracy- Paint)

1. .... enables you to use map-related data and tools.
2. Sending a text message to the email of a colleague is a kind of ....
3. We need .... when we have a video chat.
4. Information that is full of opinions and errors is from the ....
5. When a person copies digital content without the owner's permission for the purpose of selling it , this is called ....
6. .... program allows you to write texts and edit images on the program page.



Final Exams

1 Cairo – Heliopolis Administration

1 Put (✓) or (✗):

1. You can copy scientific content without the permission of the owner. ( )
2. You can write your research without indicating the source from which you got the information. ( )
3. Evaluating information means to make sure that its sources are trusted. ( )
4. You can change the font size and type on Word processor software. ( )
5. The brush tool is used in Paint to enlarge part of the image. ( )

2 Choose the correct answer:

1. .... allows you to send text messages via the internet applications.
   a. Piracy b. Instant messaging c. Source
2. While turning on the computer, you found that it is not responding. You guessed that there was a malfunction in the operating switch, this guess is called ....
   a. hypothesis b. digital citizenship c. digital footprint
3. Microsoft 365 package contains .... program.
   a. Word processor software
   b. Paint c. Google Chrome.
4. The small number of colors used inside the poster makes it ....
   a. difficult to understand b. striking c. lack good design

5. You can see many archaeological sites inside and outside Egypt while you are at home using ....
   a. piracy b. digital footprint c. augmented reality

3 Complete the following sentences using the words between the brackets:

(piracy – Mapmaker Interactive – microphone and camera – asynchronous communication – unreliable sources)

1. Information that is full of opinions and errors is from the ....
2. The .... platform enables you to use map-related data and tools.
3. When a person copies digital content without the owner's permission for the purpose of selling it, this is called ....
4. Sending a text message to the email of a colleague is a kind of ....
5. We need .... when we have a video chat.

2 Giza – Awsim Administration

1 Put (✓) or (✗):

1. You can write the email of the person you're sending the message to in the "Subject" field. ( )
2. It is possible to find information about space science and history on the Mapmaker Interactive platform. ( )
3. Planning before conducting any digital research is not important. ( )
4. In the hypothesis testing stage, a guess is made about how the problem occurred. ( )

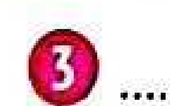
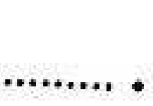
2 Complete the following sentences using the words between the brackets:

(Egyptian Knowledge Bank – Digital footprint – chat rooms – simultaneous communication – Digital citizenship– PowerPoint)

1. .... allows Egyptian citizens to access learning materials.
2. The process of communicating or exchanging information among people at the same time is called ....
3. Through ...., you can write a comment for the people sharing the room with you.
4. .... enables you to use digital technology in an ethical, responsible and safe manner.
5. .... enables you to form an image of a person through his responses and actions on social media.
6. .... allows you to present your results for others through many motion effects.

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Internet explorer	a. is to copy digital content without the owner's permission for the purpose of selling it.
2 Piracy	b. is a video chatting program.
3 Skype	c. is one of the internet browsers.
4 Vlaby	d. is an online mapping tools.
5 Mapmaker Interactive	e. is a virtual laboratory platform that provides laboratory experiments in an interactive digital environment.

 1 ....  2 ....  3 ....  4 .... 5 ....

3 Al Qalyubiyah – Toukh Administration

1 Put (✓) or (✗):

1. Your success in solving the problem means that you succeeded in testing your hypothesis. ( )
2. You can copy scientific content without the permission of the owner. ( )
3. You can write the email of the person you're sending the message to in the "Subject" field. ( )
4. You can communicate with an unknown person over the internet without consulting any of your family members. ( )
5. It is necessary that your research plan include an introduction, paragraphs, and conclusion about the information you provide. ( )

2 Choose the correct answer:

1. You should be careful when solving problems that may pose a risk to you during the .... step.
   a. building hypotheses b. collecting data on the hypotheses
   c. hypothesis testing
2. Simultaneous communication is appropriate ....
   a. between people who do not know each other
   b. between friends or family members
   c. when someone asks you a question that requires thinking
3. Which of the following online learning resources would you recommend to your friend who wants to conduct an experiment to find out the boiling point of water?
   a. Mapmaker Interactive b. Vlaby
   c. Egyptian Knowledge Bank
4. A friend of yours wants to learn about the history of ancient Egypt, which platform would you recommend?
   a. Egyptian Knowledge Bank
   b. Video-sharing platforms c. Social media platforms

5. You can run your PowerPoint presentation through the .... key on the keyboard.
   a. F3   b. F4   c. F5

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 National Geographic Kids	a. include an introduction, paragraphs of supporting information, and a conclusion.
2 Digital citizenship	b. allows you to send text messages via the internet applications.
3 Instant messaging	c. allows you to see real things while you are at home.
4 Augmented reality	d. is the principles and responsibilities that must be there when dealing with technology.
5 Writing a research	e. is one of the sources that enables you to get the appropriate information for children.

1 .... 2 .... 3 .... 4 .... 5 ....

4 Alexandria – East Administration

1 Put (✓) or (✗):

1. You can write your research without indicating the source from which you got the information. ( )
2. Achieving digital citizenship entails a set of rights and duties. ( )
3. Edmodo digital learning environment allows teachers and students to communicate and learn online. ( )
4. You can insert images into Excel files. ( )
5. The brush tool is used in Paint to enlarge part of the image. ( )
6. You can change the font size and type on Word. ( )
7. Simultaneous communication is appropriate when it is between close family members. ( )

2 Choose the correct answer:

1. To present your ideas that you have come up with in a way that is characterized by the effects of sound and movement, you need .... program.
   a. Word   b. Paint   c. PowerPoint
2. The small number of colors used inside the poster makes it ....
   a. difficult to understand   b. striking   c. lack good design
3. You can run your PowerPoint presentation through the .... key on the keyboard.
   a. F3   b. F4   c. F5
4. Which of the following online learning resources would you recommend to your friend who wants to conduct an experiment to find out the boiling point of water?
   a. Mapmaker Interactive   b. Vlaby
   c. Egyptian Knowledge Bank
5. The .... application is used to conduct group video chats.
   a. Skype   b. Egyptian Knowledge Bank (EKB)
   c. Augmented reality

3 Complete the following sentences using the words between the brackets:

(chat rooms – Power Point – Egyptian Knowledge Bank)

1. .... allows Egyptian citizens to access learning materials.
2. Through ...., you can write a comment for the people sharing the room with you.
3. .... allows you to present your results for others through many motion effects.

5 Al Gharbiyah – Zifta Administration

1 Put (✓) or (✗):

1. It is important to break complex problems into small parts when solving them. ( )
2. One of the applications of the asynchronous communication is instant video chats and live TV programs. ( )
3. It is possible to find information about space science and history on the Mapmaker Interactive platform. ( )
4. Simultaneous communication is appropriate when it is between close family members. ( )
5. It's important that your project contains some untrusted information. ( )

2 Choose the correct answer:

1. You can write the title of your message via email in the .... field.
   a. From **b.** Subject **c.** Attachments
2. You can make video calls with your friends through the ....
   a. scanner **b.** mobile phone **c.** printer
3. When conducting a digital search, your outline must include ....
   a. an introduction to the research topic
   b. details far from the research topic
   c. unreliable information
4. Microsoft 365 package contains .... program.
   a. Word **b.** Paint **c.** Google Chrome
5. One of the unreliable digital learning resources via the Internet is ....
   a. Edmodo **b.** EKB **c.** Facebook

3 Complete the following sentences using the words between the brackets:

(Paint – Digital footprint – chat rooms – simultaneous communication – Digital citizenship)

1. .... enables you to write texts and edit pictures.
2. The process of communicating or exchanging information among people at the same time is called ....
3. Through ...., you can write a comment for the people sharing the room with you.
4. .... enables you to use digital technology in an ethical, responsible and safe manner.
5. .... enables you to form an image of a person through his responses and actions on social media.

6 Al Behera – Shoubrakhit Administration

1 Put (✓) or (✗):

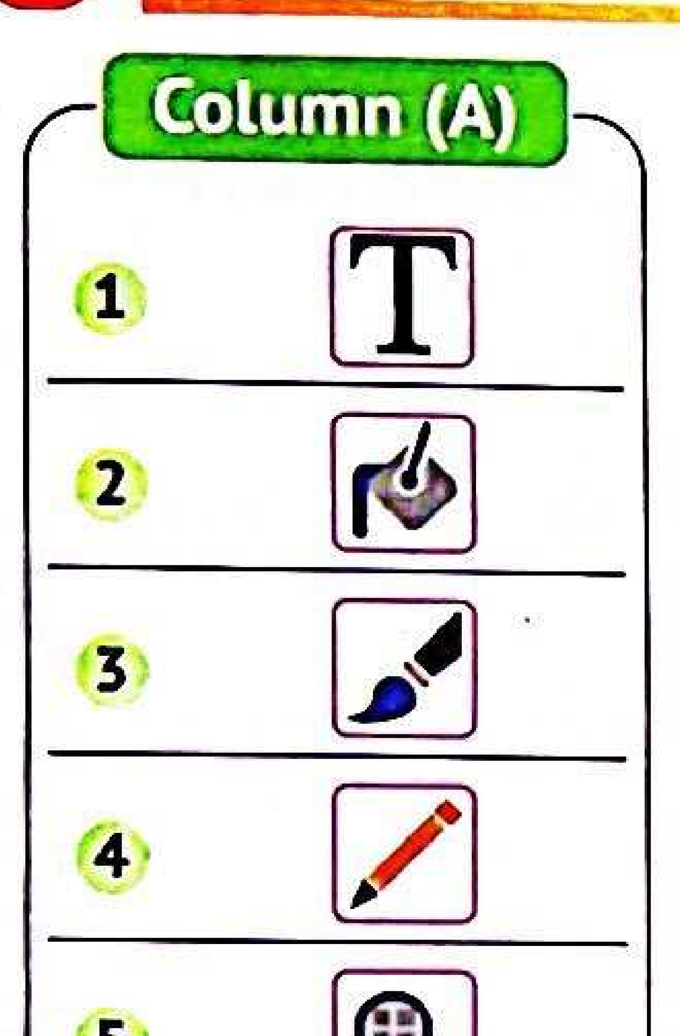
1. Paint program allows you to write some texts on the program page. ( )
2. It's preferable to use written texts instead of relevant images within your presentation. ( )
3. You can change the font size and type on Word. ( )
4. Skype is an asynchronous communication medium. ( )
5. The National Geographic platform for children enables you to conduct an experiment in science interactively. ( )

2 Choose the correct answer:

1. You can run your PowerPoint presentation through the .... key on the keyboard.
   a. F3 **b.** F4 **c.** F5
2. The small number of colors used inside the poster makes it ....
   a. difficult to understand **b.** striking **c.** lack good design
3. One of the reliable digital learning resources via the internet is ....
   a. WhatsApp **b.** EKB **c.** Facebook
4. One of the elements of good design for your project is ....
   a. the consistency of font color with the background color
   b. inserting attractive images even if they are irrelevant to your project
   c. avoiding leaving empty spaces (margins) inside the design

5. Which of the following sites can your teacher use to deliver lessons online?
   a. EKB platform b. Edmodo platform
   c. WhatsApp application

3 Choose from column (A) what suits it in column (B):



Column (A)	Column (B)
1	a. To write with a pencil.
2	b. To view the image or figure in large size.
3	c. Spray icon with coloring brush.
4	d. To write a text.
5	e. To fill the color into the shape.

1 .... 2 ....  3 ....  4 ....  5 ....

7 Al Dakahlia – Dikirnis Administration

1 Put (✓) or (✗):

1. You can write your research without indicating the source from which you got the information. (   )
2. Solving word problems in mathematics is considered a kind of algorithms. (   )
3. The National Geographic platform for children enables you to conduct an experiment in science interactively. (   )
4. One of the applications of asynchronous communication is instant video chats and live TV programs. (   )
5. Planning before conducting any digital research helps you access information in an easy way. (   )

2 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 MS Word	a. is a guess of how the problem happened.
2 Coding	b. is an application that enables you to write whatever you want.
3 Toolbox	c. is a record of what you do online.
4 Digital footprint	d. is writing multiple algorithms to create a complete program.
5 Building hypothesis	e. is one of the components of the opening screen of the Paint program.

1 .... 2 .... 3 ....  4 ....  5 ....

3 Choose the correct answer:

1. You can see many archaeological sites inside and outside Egypt while you are at home using ....
   a. augmented reality b. piracy c. digital footprint
2. You can add a slide within PowerPoint by choosing ....
   a. Save b. Toolbox c. New Slide
3. The amount of empty space between the edges of the announcing board is called the ....
   a. fonts b. margin c. image options
4. When the information is urgent, it is preferable to use .... communication.
   a. asynchronous b. synchronous c. paper letters
5. Which of the following sites can your teacher use to deliver lessons online?
   a. EKB platform b. Edmodo platform
   c. WhatsApp application

8 Port Said – Porfouad Administration

1 Put (✓) or (✗):

1. Augmented reality technologies help you in providing information interactively. ( )
2. You can copy scientific content without the permission of the owner. ( )
3. You can write the email of the person you're sending the message to in the "Subject" field. ( )
4. Facebook, Wikis, and blogs are among the unreliable sources. ( )
5. When testing your hypothesis, it is necessary not to do any test that puts you at risk. ( )

2 Complete the following sentences using the words between the brackets:

(Digital citizenship – Mapmaker Interactive – microphone and camera – piracy – simultaneous communication)

1. The process of communicating or exchanging information among people at the same time is called ....
2. The .... platform enables you to use map-related data and tools.
3. .... enables you to use digital technology in an ethical, responsible and safe manner.
4. We need .... when we have a video chat.
5. When a person copies digital content without the owner's permission for the purpose of selling it, this is called ....

3 Choose the correct answer:

1. Among the services .... provides is knowing the date and schedule of exams.
   a. the website of the Ministry of Tourism and Antiquities
   b. the website of the Ministry of Health and Population
   c. the website of the Ministry of Education and Technical Education

2. The .... application is used to have group video chats.
   a. Skype b. Egyptian Knowledge Bank (EKB)
   c. augmented reality
3. It is essential that your research plan includes ....
   a. paragraphs providing information
   b. information of questionable authenticity c. digital blogs
4. The last step for instant messaging is ....
   a. writing the message b. pressing the "Send" icon
   c. pressing the "Contact list" icon
5. One of the reliable digital learning resources via the Internet is ....
   a. WhatsApp b. EKB c. Facebook

9 Damietta – New Damietta Administration

1 Put (✓) or (✗):

1. You can insert images into Excel files. ( )
2. The brush tool is used in Paint to enlarge part of the image. ( )
3. You can use programming codes to identify the paths needed to reach your goal. ( )
4. It is important to have good manners and etiquette when dealing with others online. ( )
5. Your success in solving the problem means that you succeeded in testing your hypothesis. ( )

2 Choose the correct answer:

1. You can add an image within PowerPoint by choosing ....
   a. Slide Show b. Transitions c. Insert
2. Microsoft 365 package contains .... program.
   a. Word b. Paint c. Google Chrome
3. If someone tracks your responses on different social networking sites, this is called ....
   a. digital footprint b. digital piracy c. assumptions

4. You can make video calls with your friends through the ....
   a. scanner b. mobile phone c. printer
5. The amount of empty space between the edges of the poster is called the ....
   a. fonts b. margin c. image options

3 Complete the following sentences using the words between the brackets:

(Egyptian Knowledge Bank – Digital footprint – chat rooms – simultaneous communication – Digital citizenship)

1. .... allows Egyptian citizens to access learning materials.
2. The process of communicating or exchanging information among people at the same time is called ....
3. Through ...., you can write a comment for the people sharing the room with you.
4. .... enables you to use digital technology in an ethical, responsible and safe manner.
5. .... enables you to form an image of a person through his responses and actions on social media.

10 Sohag – el Balyana Administration

1 Put (✓) or (✗):

1. Augmented reality technologies help in providing information interactively. (   )
2. You can write the email of the person you're sending the message to in the "Subject" field. (   )
3. You can communicate with an unknown person over the internet without consulting any of your family members. (   )
4. Simultaneous communication is appropriate when it is between close family members. (   )
5. It's preferable to use written texts instead of relevant images within your presentation. (   )

2 Choose the correct answer:

1. You can see many archaeological sites inside and outside Egypt while you are at home using ....
   a. augmented reality b. piracy c. digital footprint
2. Among the services .... provides is knowing the dates and schedules of exams.
   a. the website of the Ministry of Tourism and Antiquities
   b. the website of the Ministry of Health and Population
   c. the website of the Ministry of Education and Technical Education
3. When conducting a digital search, your outline must include ....
   a. an introduction to the research topic
   b. details far from the research topic c. unreliable information
4. Which of the following online learning resources would you recommend to your friend who wants to conduct an experiment to find out the boiling point of water?
   a. Mapmaker Interactive b. Vlaby
   c. Egyptian Knowledge Bank
5. You can add an image within PowerPoint by choosing ....
   a. Slide Show b. Transitions c. Insert

3 Complete the following sentences using the words between the brackets:

(Egyptian Knowledge Bank – Digital footprint – chat rooms – simultaneous communication – Digital citizenship)

1. .... allows Egyptian citizens to access learning materials.
2. The process of communicating or exchanging information among people at the same time is called ....
3. Through ...., you can write a comment for the people sharing the room with you.
4. .... enables you to use digital technology in an ethical, responsible and safe manner.
5. .... enables you to form an image of a person through his responses and actions on social media.



Model Answers

Theme 3

Lesson 1

1 ① b ② c ③ a ④ b ⑤ c ⑥ a

2 ① ✓ ② ✓ ③ ✓ ④ ✗ ⑤ ✓ ⑥ ✓

3 ① digital technology
② digital citizens
③ Digital books – interactive whiteboard – computers ④ EKB

4

①	Egyptian National Railways
②	Ministry of Health and Population
③	Egyptian Knowledge Bank
④	Ministry of Education
⑤	Ministry of Tourism and Antiquities

Lesson 2

1 ① c ② b ③ c ④ b ⑤ b ⑥ a ⑦ b ⑧ b ⑨ c ⑩ c

2 ① ✗ ② ✓ ③ ✓ ④ ✗ ⑤ ✓ ⑥ ✗ ⑦ ✓ ⑧ ✗ ⑨ ✗ ⑩ ✓

3 ① c ② a ③ b

4 ① Digital footprint ② rights
③ Digital Piracy ④ responsibilities
⑤ Digital citizenship
⑥ Digital communication

Lesson 3

1 ① c ② b ③ a ④ c ⑤ b ⑥ c ⑦ b ⑧ c

2 ① ✗ ② ✓ ③ ✓ ④ ✗ ⑤ ✗ ⑥ ✓ ⑦ ✓ ⑧ ✗ ⑨ ✗ ⑩ ✓

3 A ① b ② c ③ a
B ① b ② c ③ a

4 ① Egyptian government
② Digital citizen ③ ICT tools
④ EKB ⑤ socializing

Lesson 4

1 ① b ② c ③ a ④ b ⑤ a ⑥ c ⑦ c ⑧ a ⑨ b ⑩ b ⑪ c

2 ① ✓ ② ✗ ③ ✗ ④ ✗ ⑤ ✗ ⑥ ✓ ⑦ ✓ ⑧ ✓

3 ① b ② e ③ d ④ a ⑤ c

4 ① asynchronous ② synchronous
③ Video chat ④ Chat rooms
⑤ Google chrome
⑥ A cell phone application

Lesson 5

1 ① c ② c ③ b ④ a ⑤ b ⑥ a ⑦ b ⑧ b ⑨ c ⑩ a

2 ① ✗ ② ✗ ③ ✓ ④ ✗ ⑤ ✗ ⑥ ✗ ⑦ ✓ ⑧ ✓ ⑨ ✗ ⑩ ✓

3 ① email ② phone/video
③ video chat ④ Send
⑤ Instant messaging

4 ① c ② d ③ a ④ b

Lesson 6

1 ① b ② a ③ b ④ a ⑤ c ⑥ c ⑦ b

2 ① ✗ ② ✓ ③ ✓ ④ ✗ ⑤ ✓ ⑥ ✗ ⑦ ✓ ⑧ ✗

Lesson 7

1 ① c ② a ③ c ④ b ⑤ a ⑥ a ⑦ a ⑧ a

2 ① ✓ ② ✓ ③ ✗ ④ ✓ ⑤ ✗

3 ① (3) Gather your notes and trusted information.
② (2) Evaluate the sources. Are they reliable?
③ (4) Write a conclusion or final thoughts on the information you have provided.
④ (1) Focus only on the topic you are researching.

Lesson 8

1 ① b ② b ③ c ④ b ⑤ a ⑥ b ⑦ b ⑧ b

2 ① ✗ ② ✓ ③ ✗ ④ ✗ ⑤ ✓ ⑥ ✗ ⑦ ✓

3 ① Synchronous: ②, ④, ⑥, ⑧ –
Asynchronous: ①, ③, ⑤, ⑦

Tests on Theme 3

Test 1

1 ① b ② b ③ c ④ b

2 ① ✗ ② ✓ ③ ✗ ④ ✗

3 ① b ② c ③ a

4 ① email ② phone/video
③ video chat ④ Send

Test 2

1 ① b ② c ③ b ④ c

2 ① ✓ ② ✓ ③ ✓ ④ ✗

3 ① b ② c ③ a

4 ① digital technology ② digital citizens
③ Digital books – interactive whiteboard –computers
④ EKB

Test 3

1 ① c ② a ③ c ④ b

2 ① ✓ ② ✓ ③ ✗ ④ ✓

3 ① c ② a ③ b

4 ① Egyptian government
② Digital citizen ③ ICT tools
④ EKB

Test 4

1 ① a ② b ③ c ④ a

2 ① ✗ ② ✗ ③ ✓ ④ ✗

3 ① b ② c ③ a

4 ① asynchronous ② Synchronous
③ Video chat ④ chat room

Test 5

1 ① b ② c ③ c ④ b

2 ① ✗ ② ✓ ③ ✓ ④ ✗

3 ① Synchronous ② Asynchronous
③ Asynchronous

4 ① Reliable
② Unreliable
③ Unreliable

Theme 4

Lesson 1

1. 1 c 2 a 3 b 4 c 5 b 6 c 7 a 8 a
2. 1 ✓ 2 ✓ 3 ✓ 4 ✗ 5 ✓ 6 ✓
3. 1 Wildlife conservation 2 augmented reality 3 IT specialist 4 GPS
4. 1 b 2 a 3 c

Lesson 2

1. 1 a 2 c 3 a 4 b 5 b 6 c 7 b 8 a
2. 1 ✗ 2 ✓ 3 ✗ 4 ✓ 5 ✗ 6 ✗ 7 ✗ 8 ✓
3. a. (5) b. (1) c. (2) d. (3) e. (4)
4. a. (2) b. (3) c. (1)

Lesson 3

1. 1 a 2 b 3 b 4 c 5 b 6 a 7 b 8 b 9 b 10 c 11 a 12 b
2. 1 ✓ 2 ✓ 3 ✗ 4 ✓ 5 ✗ 6 ✗ 7 ✗ 8 ✓ 9 ✓ 10 ✗
3. 1 c 2 a 3 d 4 b
4. Circle on these words:
   Simple fonts - Leaving margins empty - Using three colors - Using clear images
5. 

Lesson 4

1. 1 a 2 b 3 b 4 c 5 a 6 c 7 a 8 b
2. 1 ✓ 2 ✗ 3 ✓ 4 ✓ 5 ✗ 6 ✓

Lesson 5

1. 1 b 2 c 3 a 4 a 5 b
2. 1 GPS 2 recipe 3 Algorithm 4 Computers 5 research subject 6 keywords
3. 1 ✓ 2 ✗ 3 ✗ 4 ✓ 5 ✓
4. a. (4) b. (1) c. (5) d. (3) e. (2)
5. a. (2) b. (3) c. (1)

Lesson 6

1. 1 c 2 b 3 b 4 c 5 b
2. 1 ✓ 2 ✓ 3 ✓ 4 ✗ 5 ✗

Lesson 7

1. 1 c 2 c 3 b 4 a 5 b 6 c 7 a
2. 1 ✗ 2 ✗ 3 ✗ 4 ✓ 5 ✗ 6 ✓ 7 ✗ 8 ✗
3. A 1 c 2 a 3 b
   B 1 c 2 a 3 b
   C 1 d 2 e 3 c 4 a 5 b

Lesson 8

1. 1 c 2 b 3 c 4 a 5 b 6 c 7 a 8 a
2. 1 ✗ 2 ✓ 3 ✗ 4 ✓ 5 ✗ 6 ✓ 7 ✓ 8 ✓
3. 1 d 2 c 3 a 4 b

Tests on Theme 4

Test 1

1. 1 a 2 b 3 b 4 b
2. 1 ✓ 2 ✓ 3 ✗ 4 ✓
3. 1 d 2 e 3 c 4 a 5 b

Test 2

1. 1 a 2 b 3 c 4 b
2. 1 ✓ 2 ✓ 3 ✓ 4 ✓
3. 1 GPS 2 recipe 3 Algorithm 4 Computers 5 Research Subject 6 keywords

Test 3

1. 1 c 2 b 3 b 4 a
2. 1 ✓ 2 ✓ 3 ✗ 4 ✓
3. a. (4) b. (1) c. (5) d. (3) e. (2)

Test 4

1. 1 c 2 a 3 c 4 c
2. 1 ✓ 2 ✗ 3 ✓ 4 ✓
3. a. (5) b. (1) c. (2) d. (3) e. (4)

Test 5

1. 1 c 2 a 3 b 4 b
2. 1 ✗ 2 ✗ 3 ✗ 4 ✓
3. 1 c 2 a 3 b

Final Revision

Question 1:

1 ✓ 2 ✗ 3 ✓ 4 ✗ 5 ✗ 6 ✗ 7 ✗ 8 ✗ 9 ✗ 10 ✗ 11 ✗ 12 ✓ 13 ✓ 14 ✓ 15 ✗ 16 ✗ 17 ✓ 18 ✓ 19 ✓ 20 ✓ 21 ✓ 22 ✓ 23 ✗ 24 ✓ 25 ✗

Question 2:

1 a 2 b 3 c 4 a 5 b 6 a 7 a 8 a 9 b 10 b 11 a 12 c 13 b 14 b 15 a 16 b 17 b 18 b 19 a 20 b 21 a 22 b 23 b 24 a 25 c 26 b 27 a 28 b 29 c 30 c 31 a

Question 3:

A
1. Egyptian Knowledge Bank
2. simultaneous communication
3. chat rooms
4. Digital citizenship
5. Digital footprint
6. PowerPoint

B
1. Mapmaker Interactive
2. asynchronous communication
3. microphone and camera
4. unreliable sources
5. piracy
6. Paint

Final Exams

1 Cairo – Heliopolis Administration

1. ❶ ✗ ❷ ✗ ❸ ✓ ❹ ✓ ❺ ✗
2. ❶ b ❷ a ❸ a ❹ b ❺ c
3. ❶ unreliable sources ❷ Mapmaker Interactive ❸ piracy ❹ asynchronous communication ❺ microphone and camera

2 Giza – Awsim Administration

1. ❶ ✗ ❷ ✗ ❸ ✗ ❹ ✗
2. ❶ Egyptian Knowledge Bank ❷ simultaneous communication ❸ Chat room ❹ Digital citizenship ❺ Digital footprint ❻ PowerPoint
3. ❶ c ❷ a ❸ b ❹ e ❺ d

3 Al Qalyubiyah – Toukh Administration

1. ❶ ✓ ❷ ✗ ❸ ✗ ❹ ✗ ❺ ✓
2. ❶ c ❷ b ❸ b ❹ b ❺ c
3. ❶ e ❷ d ❸ b ❹ c ❺ a

4 Alexandria – East Administration

1. ❶ ✗ ❷ ✓ ❸ ✓ ❹ ✓ ❺ ✗ ❻ ✓ ❼ ✓
2. ❶ c ❷ b ❸ c ❹ b ❺ a
3. ❶ Egyptian Knowledge Bank ❷ chat rooms ❸ Powerpoint

5 Al Gharbiyah – Zifta Administration

1. ❶ ✓ ❷ ✗ ❸ ✗ ❹ ✓ ❺ ✗
2. ❶ b ❷ b ❸ a ❹ a ❺ c
3. ❶ Paint ❷ simultaneous communication ❸ chat room ❹ Digital citizenship ❺ Digital footprint

6 Al Behera – Shoubrakhit Administration

1. ❶ ✓ ❷ ✗ ❸ ✓ ❹ ✗ ❺ ✗
2. ❶ c ❷ b ❸ b ❹ a ❺ b
3. ❶ d ❷ e ❸ c ❹ a ❺ b

7 Al Dakahlia – Dikirnis Administration

1. ❶ ✗ ❷ ✓ ❸ ✗ ❹ ✗ ❺ ✓
2. ❶ b ❷ d ❸ e ❹ c ❺ a
3. ❶ a ❷ c ❸ b ❹ b ❺ b

8 Port Said – Porfouad Administration

1. ❶ ✓ ❷ ✗ ❸ ✗ ❹ ✓ ❺ ✓
2. ❶ simultaneous communication ❷ Mapmaker Interactive ❸ Digital citizenship ❹ microphone and camera ❺ piracy
3. ❶ c ❷ a ❸ a ❹ b ❺ b

9 Damietta – New Damietta Administration

1. ❶ ✗ ❷ ✗ ❸ ✓ ❹ ✓ ❺ ✓
2. ❶ c ❷ a ❸ b ❹ b ❺ b
3. ❶ Egyptian Knowledge Bank ❷ simultaneous communication ❸ chat rooms ❹ Digital citizenship ❺ Digital footprint

10 Sohag – el Balyana Administration

1. ❶ ✓ ❷ ✗ ❸ ✗ ❹ ✓ ❺ ✗
2. ❶ a ❷ c ❸ a ❹ b ❺ c
3. ❶ Egyptian Knowledge Bank ❷ simultaneous communication ❸ chat room ❹ Digital citizenship ❺ Digital footprint

Vocabulary

Concept 3 - Lesson 1

English	Arabic	English	Arabic
Active Explorer	المستكشف النَّشِط	Good relationships	علاقات جيدة
Cultural	الثقافي	Organizations	منظمات
Anthropologist	خبير بعلوم الإنسان الثقافية	Services	خدمات
Technologist	خبير تكنولوجي	Traveling	السفر
Filmmaker	صانع أفلام	Book	حجز
Digital technology	التكنولوجيا الرقمية	Tickets	تذاكر
Solutions	حلول	Easiness	سهولة
Positive way	شكل إيجابي	Button click	ضغطة زر
Successful	ناجح	Historical sites	مواقع تاريخية
Digital citizens	مواطنون رقميون	Cultural sites	مواقع ثقافية
Digital communication	التكنولوجيا الرقمية	Egyptian Knowledge Bank	بنك المعرفة المصري
Exchanging opinions	تبادل الآراء		

Concept 3 - Lesson 2

English	Arabic	English	Arabic
Digital Citizenship	المواطنة الرقمية	Monitor	راقب
Ability	القدرة	Consent	موافقة
Safe	آمن	Rights	حقوق
Responsible	مسئول	Responsibilities	مسئوليات
Digital Footprint	البصمة الرقمية	Piracy	القرصنة
Record	تسجيل	Content	محتوى
Respect others	احترم الآخرين	Source	مصدر
Password	كلمة مرور	Rate	قيم
Websites	مواقع إلكترونية	Useful	مفيد
Wisely	بحكمة	Waste of time	مضيع للوقت
Stress	ضغط	Joy	سعادة

Concept 3 - Lesson 3

English	Arabic	English	Arabic
Digital citizen	الشخص الرقمي	Unexpected factors	عوامل غير متوقعة
ICT	تكنولوجيا الاتصالات والمعلومات	Learning	التعلُّم
Share	مشاركة	Teaching	التعليم
Egyptian government	الحكومة المصرية	Meal	وجبة
Achieve	تحقيق	Socializing	وسائل التواصل الاجتماعي
Educational system	نظام تعليمي	Classmates	زملاؤك في الفصل

Skills	مهارات	Project	مشروع
Ensure/make sure	التأكد	Chatting	دردشة
Educational materials	مواد تعليمية	Common interests	اهتمامات مشتركة
Speech difficulties	صعوبات بالكلام		

Concept 3 - Lesson 4

Synchronous Communication	التواصل المتزامن	Instant Messaging	المراسلة الفورية
Asynchronous Communication	التواصل غير المتزامن	Mobile application	تطبيق الهاتف المحمول
Video chats	محادثات الفيديو	Chat rooms	غُرَف الدردشة
TV shows	البرامج التلفزيونية	Topic	موضوع
Recorded educational programs	البرامج التعليمية المسجلة	Web browser	متصفح للإنترنت
E-mail	البريد الإلكتروني	Texts	نصوص
Speaker	مُكبِّر صوت	Audio recordings	تسجيلات صوتية

Concept 3 - Lesson 5

Electronic Communication	الاتصال الإلكتروني	Polite	مؤدب
Create a link	إنشاء رابط	Helpful	متعاون
Conversation	محادثة	Informal way	طريقة غير رسمية
Allowed to enter	السماح لك بالدخول	Short phrases	عبارات قصيرة
Clicking	الضغط	Full sentences	جمل كاملة
Icon	أيقونة	Symbols	رموز
Mute microphones	إغلاق الميكروفون	Common	شائع
Dress appropriately	ارتدِ ملابس مناسبة	Grammar	قواعد نحوية
Public place	مكان عام	Greeting	التحية
Background	خلفية	Ending	الختام
Simply	ببساطة	Attachments	مرفقات
Reply	رد	Accurate	دقيقة
Access	الوصول أو المرور	Secure	آمنة

Concept 3 - Lesson 6

Online Learning Environments	بيئات التعلم عبر الإنترنت	Various topics	موضوعات مختلفة
Communicate	تواصل	Digital articles	مقالات رقمية
Virtual lessons	دروس افتراضية	Mapmaker Interactive	مصمم خرائط تفاعلي
Homework	واجبات منزلية	Mapping tools	أدوات رسم الخرائط
Assignments	مهام دراسية	Vlaby	فلابي
Electronic library	مكتبة إلكترونية	Conduct laboratory experiments	إجراء تجارب معملية
Reliable	موثوقة	Valuable	غنيّة بالمعلومات

Concept 3 - Lesson 7

Plan	خطة	Reliable sources	مصادر موثوقة
Reliable content	محتوى موثوق	Unreliable sources	مصادر غير موثوقة
Digital research	البحث الرقمي	Experts	خبراء
Consult	يستشير	Verified	متحقق منها
Evaluate	يقيم	Professional	احترافية
Detailed notes	ملحوظات مفصلة	Errors	أخطاء
Document	توثيق	Lies	أكاذيب
Outline	مخطط	Conclusion	استنتاجات

Concept 3 - Lesson 8

Synchronous communication	تواصل متزامن	Issues	مسائل
Asynchronous communication	تواصل غير متزامن	Preparation	تحضير
Simultaneously	متزامن	Sensitive	حساسة
Consult	استشر	Complex	معقدة
Urgent	مُلحة	Situation	موقف
Conveyed = Transmitted	تنقل		

Concept 4 - Lesson 1

Founder	مُؤسِّس	Wildlife	الحياة البرية	Augmented reality	الواقع المعزز
Organization	منظمة	Environment	بيئة	Track	تتبع
Information technology	تكنولوجيا المعلومات	Strengthen	يقوي	Individually	على حدة
Expert	خبير	GPS	برنامج تحديد المواقع		

Concept 4 - Lesson 2

Problem	مشكلة	Price	سعر	Rules	القواعد
Location	موقع	Colleagues	زملاؤك	Keyboard	لوحة المفاتيح
Date	تاريخ	Items	أغراض	Word Program	برنامج معالج الكلمات

Concept 4 - Lesson 3

Presentation	تقديم	Publisher	برنامج النشر المكتبي	Audience	جمهورك
Design	يصمم	Updated	محدث	Font	خط
Poster	ملصق رقمي	Margins	الهوامش	Simplicity	البساطة
Billboard	لوحة إعلانية	Edges	أطراف	Get message across	إيصال رسالتك
PowerPoint	برنامج العروض التقديمية	Space	مساحة	Background	الخلفية
Word	برنامج معالج الكلمات	Crowded	مزدحم	High quality	جودة عالية

Vocabulary

Concept 4 - Lesson 4

Assessment	تقييم	Experienced	اختبروا	Questionable source	مصدر مشكوك به
Surroundings	البيئة المحيطة	Influenced	تأثروا به	Unreliable source	مصدر غير موثوق
Publications	مطبوعات	Author	مؤلف	Institution	مؤسسة
Articles	مقالات	Respectable organization	مؤسسة محترمة	Confuses	يخلط رأيه
Newspapers	صحف	Evidence	أدلة	Excel spreadsheets	برنامج الجداول الحسابية
Encyclopedias	موسوعات	Opinion	رأي	Columns	أعمدة
Web browser	محرك بحث	Facts	حقائق	Rows	صفوف
Specialized websites	مواقع متخصصة	Bias	تحيُّز	Automatically	آليًا
Interviews	مقابلات	Reliable source	مصدر موثوق	Processor	معالج

Concept 4 - Lesson 5

Algorithms	الخوارزميات	Ingredients	مكونات	Wipe	امسح
Keywords	الكلمات المفتاحية	Crush	اطحن	Go straight ahead	اتجه للأمام مباشرة
Relevant	متعلقة	Tahini	طحينة	Turn right	انعطف لليمين
Database	قاعدة بيانات	Salad	سلطة	Mathematics	مادة الرياضيات
Recipe	وصفة	Dust	غبار		

Concept 4 - Lesson 6

Coding	البرمجة	Maze	متاهة	Exit	الخروج
Animations	مؤثرات حركية	Instructions	إرشادات	Enter	الدخول

Concept 4 - Lesson 7

Graphic Art	فن الجرافيك	Fill colors	تعبئة الألوان	Sprayer	فرشاة الألوان
Microsoft Paint	برنامج الرسام	Drag	اسحب	Eraser	المِمْحاة
Accessories	الملحقات	Oval shape	شكل بيضاوي	3D models	ثلاثية الأبعاد
Icon	أيقونة	Mouse	الفارة	Schematic drawings	الرسوم التخطيطية
Menu bar	شريط المهام	Insert	إدراج		
Toolbox	مربع الأدوات				

Concept 4 - Lesson 8

Microsoft PowerPoint	برنامج العروض التقديمية	Slide	شريحة إلكترونية	Visuals	مؤثرات
Blank Presentation	عرض تقديمي فارغ	Title	عنوان	Avoid	تجنب
Tab	علامة تبويب	Section	جزء مخصص	Encourage	يشجع

2022

Final Exams

Exam 1



1 Choose the correct answer:

1. William Tyner uses .... in his work to find real solutions for problems.
   a. traveling b. money c. technology
2. Anyone has access to enter the ....
   a. video chat b. chat room c. no correct answer
3. Any person who uses ICT tools to learn or share things with others is called a/an ....
   a. expert citizen in IT b. digital person c. programmer
4. .... is writing multiple algorithms to create a complete program.
   a. Windows b. Word processing program
   c. Programming
5. The .... program is one of the popular programs in editing pictures and graphics.
   a. Microsoft Paint b. Word c. Excel

2 Put (✓) or (✗):

1. When creating a digital poster, it is preferable to choose a very small font. (   )
2. A person may have a positive or negative effect on plants and animals in his environment. (   )
3. Vlaby enables children to find information about topics such as animals, science, history and geography. (   )
4. Online learning environments include synchronous communication only. (   )

5. When designing your presentation, avoid paragraphs or short sentences. (   )

3 Arrange the following steps:

(   ) Gather your notes and trusted information.

(   ) Rate it. Is it reliable?

(   ) A conclusion or final thoughts on the information you have provided.

(   ) Focus only on the topic you are researching about.

Exam 2

1 Choose the correct answer:

1. Using technology in a positive way helps people become .... digital citizens.
   a. good b. genius c. successful
2. It is common to use .... in more formal situations.
   a. e-mail b. instant messaging
   c. no correct answer
3. .... help people who have speech difficulty to communicate with others or learn languages at school using pictures.
   a. Information b. Watching videos
   c. Digital tools
4. A.................. is a presentation page that contains your text and images.
   a. billboard b. slide c. sheet
5. .... allows you to see the real environment of the things you want to see virtually.
   a. Augmented reality b. Wildlife c. Mobile

2 Put (✓) or (✗):

1. Edmodo is an online learning environment. (   )

2. The internet allows us to communicate simultaneously only. ( )
3. A person may have a positive or negative effect on plants and animals in his environment. ( )
4. Spreadsheet software is an excellent way to gather information and ideas. ( )
5. Having a fixed margin such as 20 mm helps you in creating a well-designed poster. ( )

3 Select the appropriate type of communication in each of the following cases:

1. When the information revolves around sensitive or complex topics. (..)
2. Between friends or close family members. (..)
3. When the information is important but not urgent. (..)
4. When the answer does not require much thought and preparation. (..)

Exam 3

1 Choose the correct answer:

1. You must act as if you are in a public place and dress appropriately in video chats when the camera is ....
   a. turned on b. turned off c. no correct answer
2. .... enables teachers to provide virtual lessons and upload tests and enables pupils to post their homeworks.
   a. National Geographic Kids b. Edmodo
   c. Egyptian Knowledge Bank
3. We use .... in communicating with others via the internet through voice, video or just writing.
   a. WhatsApp b. Skype c. a & b

4. You will notice that there is a .... at the top of the opening screen of the program.
   a. Menu bar b. Subtitle section c. a & b

5. When you open Microsoft Paint, you will notice that the top of the opening screen is similar in design to ....
   a. Word processor b. Excel spreadsheets c. a & b

2 Put (✓) or (✗):

1. William Tyner is a cultural anthropologist only. (   )
2. It is preferable for you to consult your teacher about a trusted resource you use in your research. (   )
3. Any big problem should be left without solving it. (   )
4. Gautam Shah used the data he collected via the GPS to design interactive games on the internet. (   )
5. The explorer uses the internet or publications to research a topic. (   )

3 Select the appropriate type of communication in each of the following cases:

1. When the information is about issues from everyday life. (........................)
2. When the answer needs reflection and preparation. (........................)
3. Among people who do not know each other well. (........................)
4. When the information is urgent or needs to be conveyed quickly. (........................)

Exam 4

1 Choose the correct answer:

1. .... is a fun and informal way to communicate.
   a. E-mail b. Instant messaging
   c. no correct answer

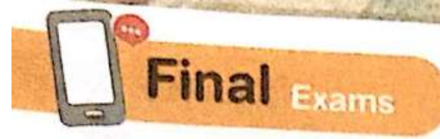
2. .... is the first electronic library in Egypt that includes many sources about various topics and information around the world.
   a. Mapmaker Interactive b. Vlaby
   c. Egyptian Knowledge Bank
3. The .... provided tools and digital resources to achieve a skills-based education system.
   a. information technology
   b. Egyptian government c. banks
4. Many websites like .... help you learn coding.
   a. Code.org b. Excel c. Word
5. Gautam Shah is an expert in the field of ....
   a. train industry b. information technology
   c. agriculture

2 Put (✓) or (✗):

1. Digital tools are used to book tickets for trains, buses and planes. (   )
2. All social networking sites contain reliable information. (   )
3. A problem in mathematics solved by following a series of arranged steps is considered a type of algorithm. (   )
4. The "Internet of Elephants" is an organization concerned with cancer. (   )
5. Information sources should not be evaluated when collected. (   )

3 Your teacher asked you to help organize a class trip. Arrange the following statements:

(   ) Ask about the price of the trip for each student.
(   ) Determine the location of the trip.
(   ) Select the trip date and time.
(   ) Determine what items the students should bring with them.
(   ) Make a list of the rules that must be followed on the trip day.
(   ) Determine how you and your colleagues will arrive at the destination.



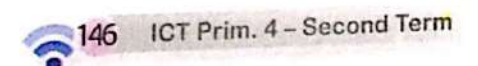
Exam 5

1 Choose the correct answer:

1. .... is the founder of "Internet of Elephants".
   a. William Tyner b. Gautam Shah
   c. Bill Gates
2. .... is a virtual laboratory platform that enables students and teachers to conduct laboratory experiments in an interactive environment.
   a. National Geographic Kids b. Vlaby
   c. Egyptian Knowledge Bank
3. .... is the first step of conducting a digital search and obtaining reliable content.
   a. Reliable source b. Defining the topic of the research
   c. The scheme
4. Online video games are created using ....
   a. Excel b. Word
   c. programming
5. You can select and cut certain parts of the image in Paint using ....
   a. Crop tool b. color fill tool
   c. open File menu

2 Put (✓) or (✗):

1. If you divide the big problem into several small tasks, it will become easier to solve. (   )
2. Using technology in a positive way helps people to become genius. (   )



3. You must make sure that the microphone and camera are on during a video chat. (   )
4. When you search YouTube to know how to prepare a meal, this is an example for teaching. (   )
5. PowerPoint provides many design options for each slide, including background colors. (   )

3 Arrange the following steps to explain how to prepare a falafel sandwich:

(   ) Grind the falafel patties after placing them in the bread.
(   ) Prepare the ingredients you will need.
(   ) Add tahini and salad.
(   ) Open a loaf of bread.
(   ) Put the bread on the plate.

Final Exams

Exam 1



1 Choose the correct answer:

1. c
2. b
3. b
4. c
5. a

2 Put (✓) or (✗):

1. ✗ 2. ✓ 3. ✗
4. ✗ 5. ✓

3 Arrange the following steps:

1. Focus only on the topic you are researching about.
2. Gather your notes and trusted information.
3. Rate it. Is it reliable?
4. A conclusion or final thoughts on the information you have provided.

Exam 2



1 Choose the correct answer:

1. c 2. a
3. c 4. b
5. a

2 Put (✓) or (✗):

1. ✓ 2. ✗ 3. ✓
4. ✓ 5. ✓

3 Select the appropriate type of communication in each of the following cases:

Synchronous Communication:

2 / 4

Asynchronous Communication:

1 / 3

Exam 3



1 Choose the correct answer:

1. a
2. b
3. c
4. a
5. c

2 Put (✓) or (✗):

1. ✗ 2. ✓ 3. ✗
4. ✓ 5. ✓

3 Select the appropriate type of communication in each of the following cases:

Synchronous Communication:

❶ / ❹

Asynchronous Communication:

❷ / ❸

Exam 4



1 Choose the correct answer:

❶ b

❷ c

❸ b

❹ a

❺ b

2 Put (✓) or (✗):

❶ ✓ ❷ ✗ ❸ ✓

❹ ✗ ❺ ✗

3 Your teacher asked you to help organize a class trip. Arrange the following statements:

❸ / ❶ / ❷ / ❺ / ❻ / ❹

Exam 5



1 Choose the correct answer:

❶ b

❷ b

❸ b

❹ c

❺ a

2 Put (✓) or (✗):

❶ ✓ ❷ ✗ ❸ ✓

❹ ✗ ❺ ✓

3 Arrange the following steps to explain how to prepare a falafel sandwich:

❹ / ❶ / ❺ / ❸ / ❷